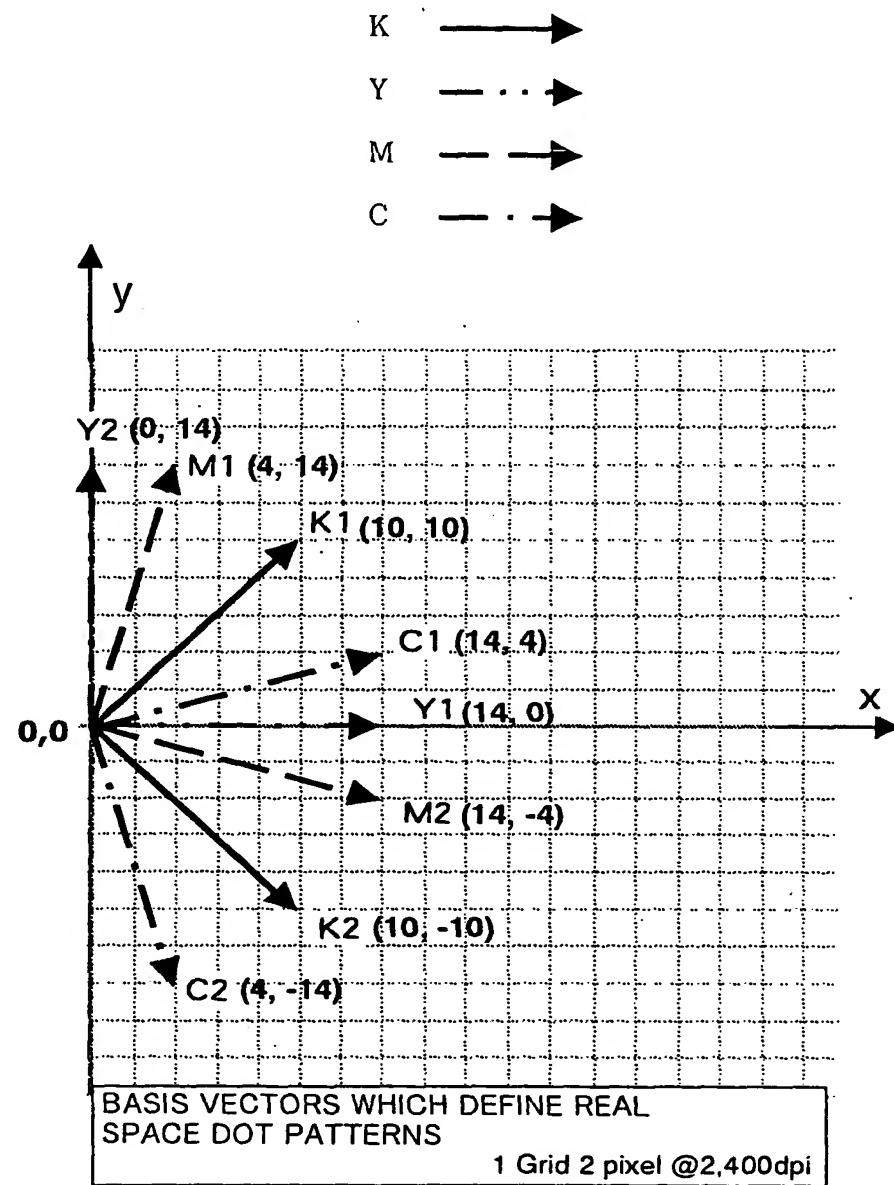
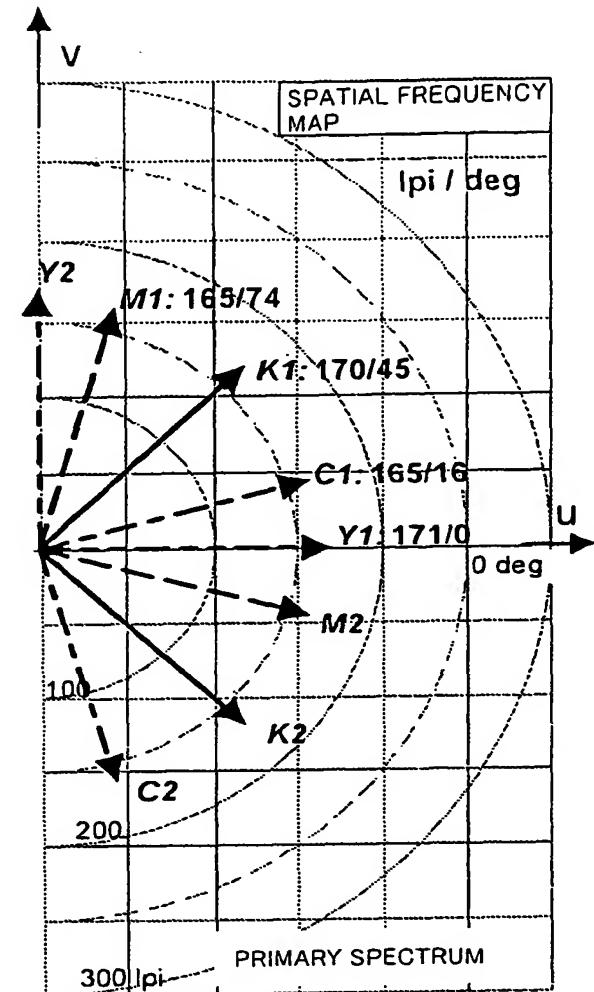


PRIOR ART
FIG. 1



PRIOR ART
FIG. 2

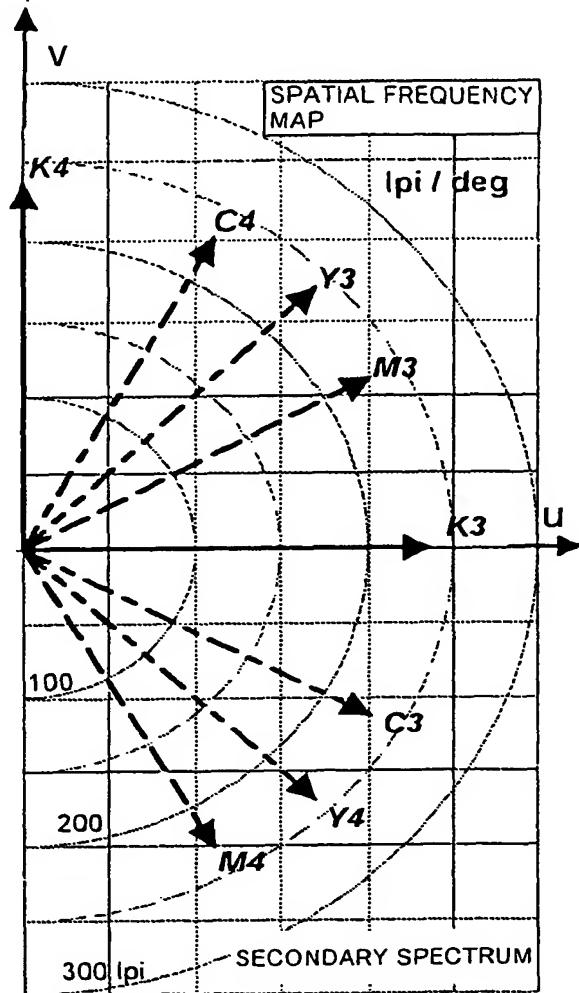


TYPICAL FREQUENCY OF MOIRÉ
BETWEEN TWO COLORS

$$Y_1 - C_1, Y_1 - M_2 \quad 47 \text{ lpi}$$

$$M_1 - K_1, C_1 - K_1 \quad 84 \text{ lpi}$$

$$Y_1 - K_3 \quad 69 \text{ lpi}$$



$$K_3 = K_1 + K_2, K_4 = K_1 - K_2$$

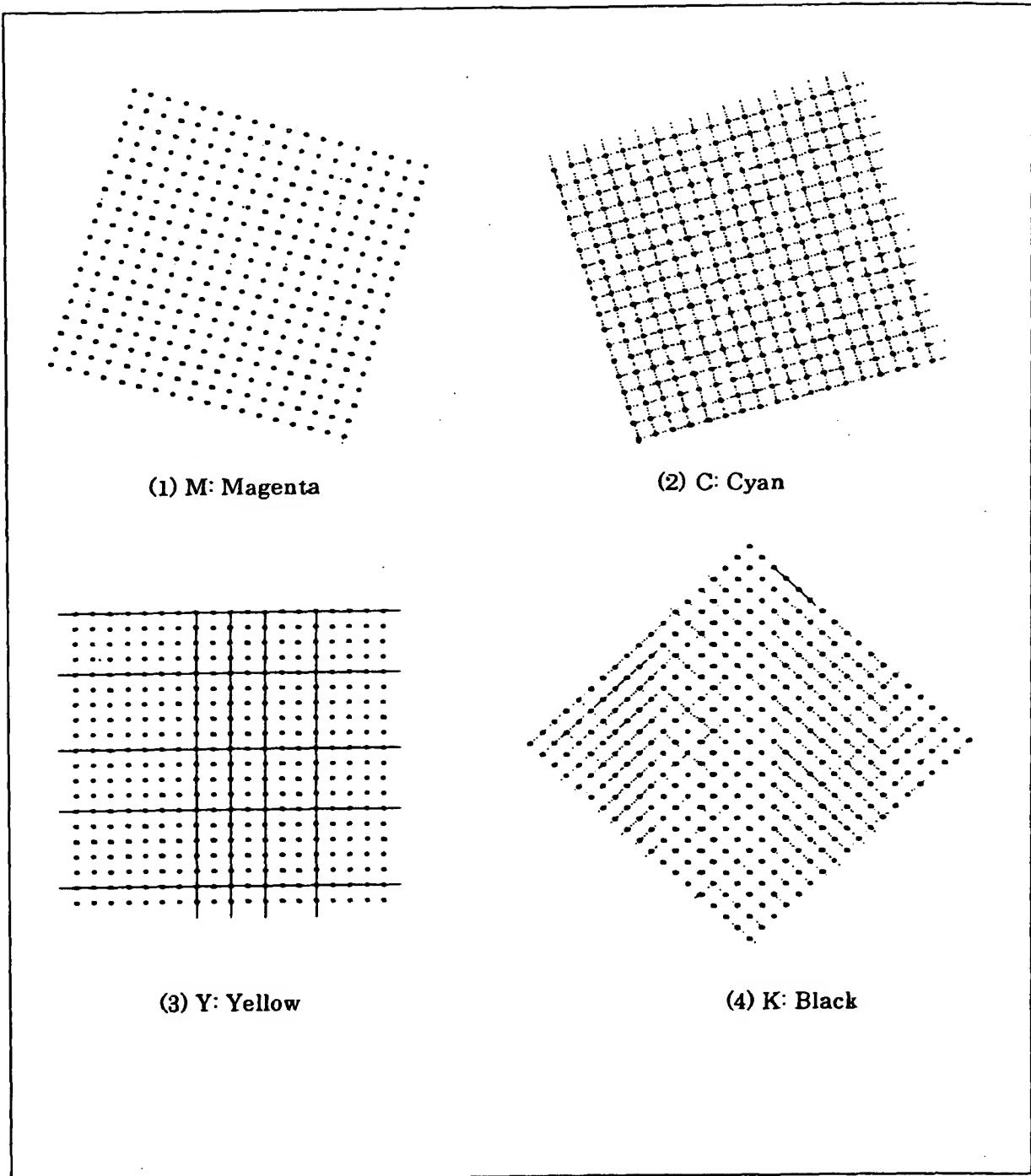
$$Y_3 = Y_1 + Y_2, Y_4 = Y_1 - Y_2$$

$$M_3 = M_1 + M_2, M_4 = -M_1 + M_2$$

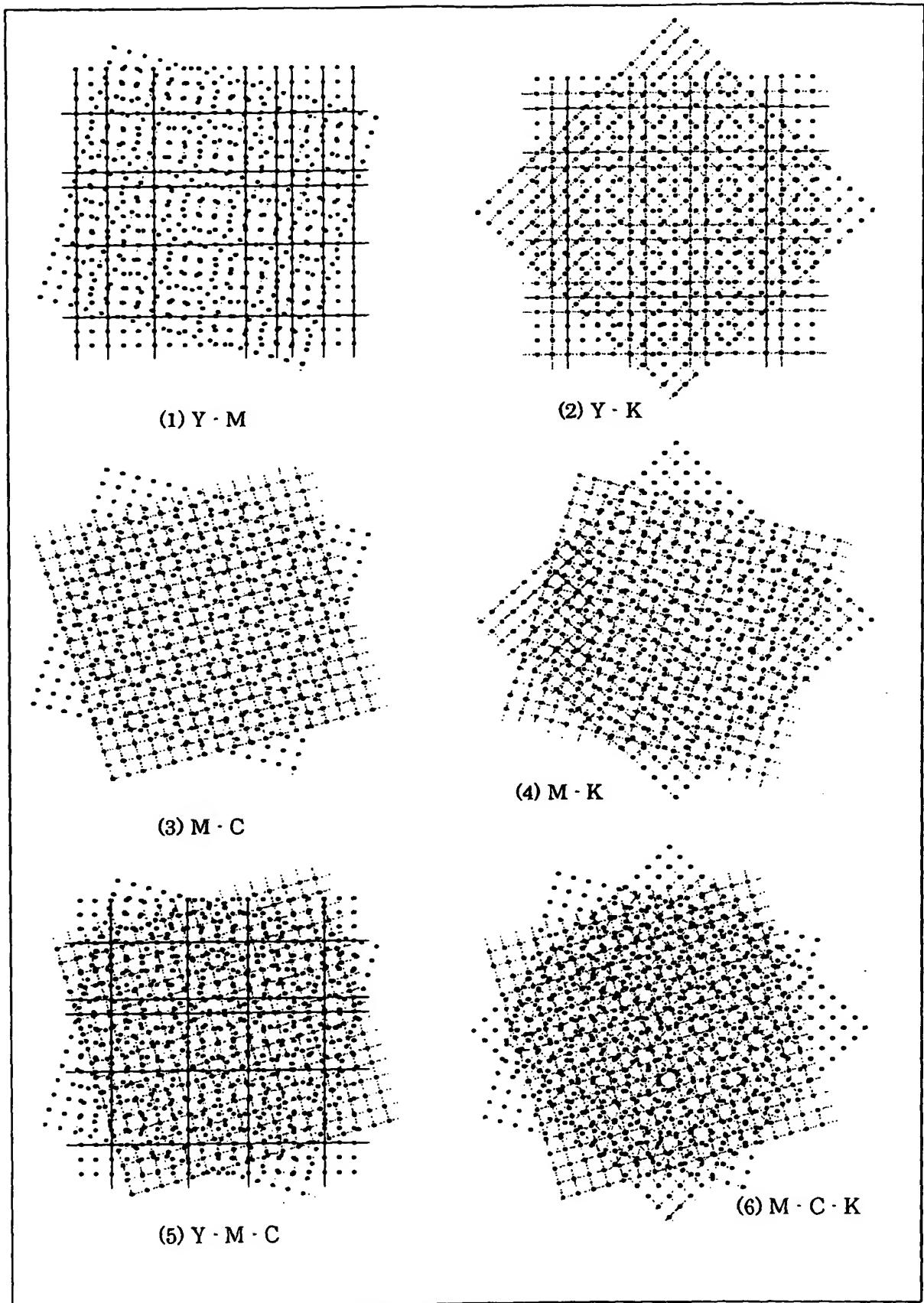
$$C_3 = C_1 + C_2, C_4 = C_1 - C_2$$

PRIOR ART

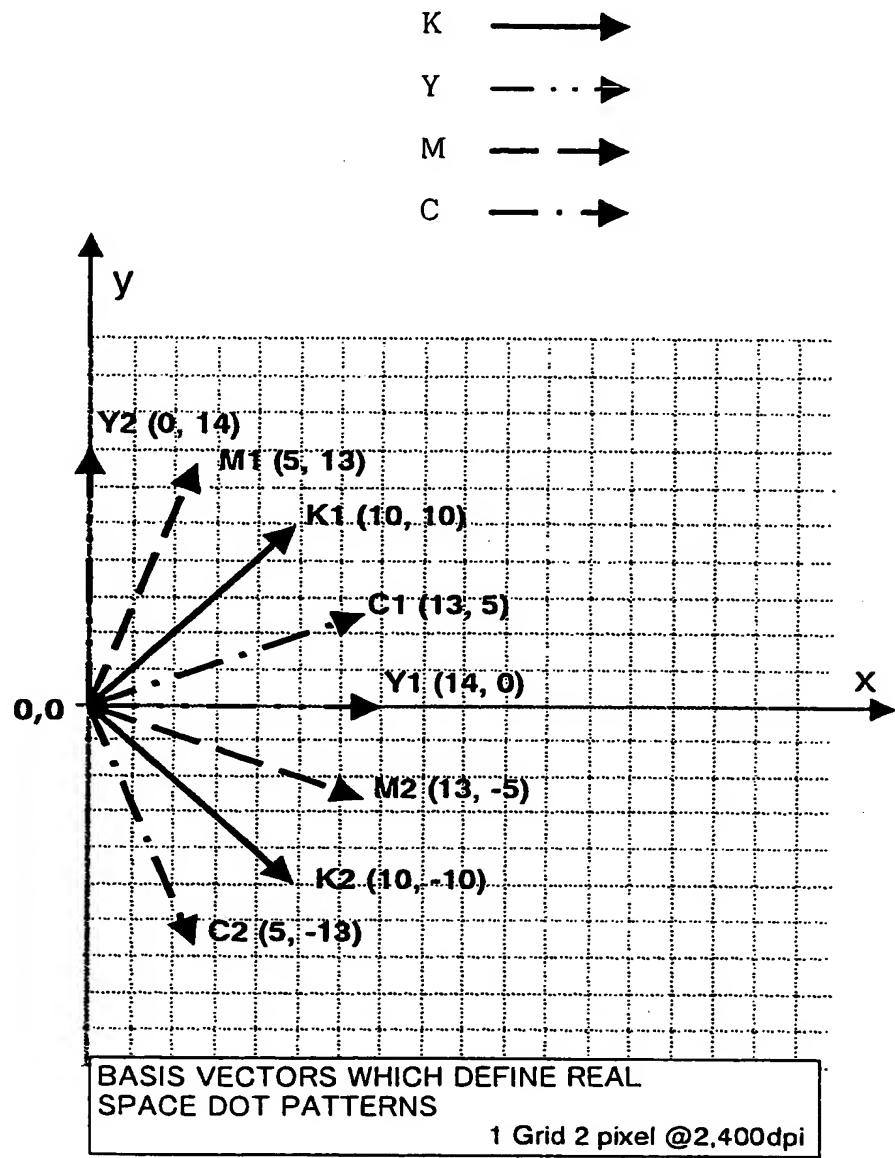
FIG. 3



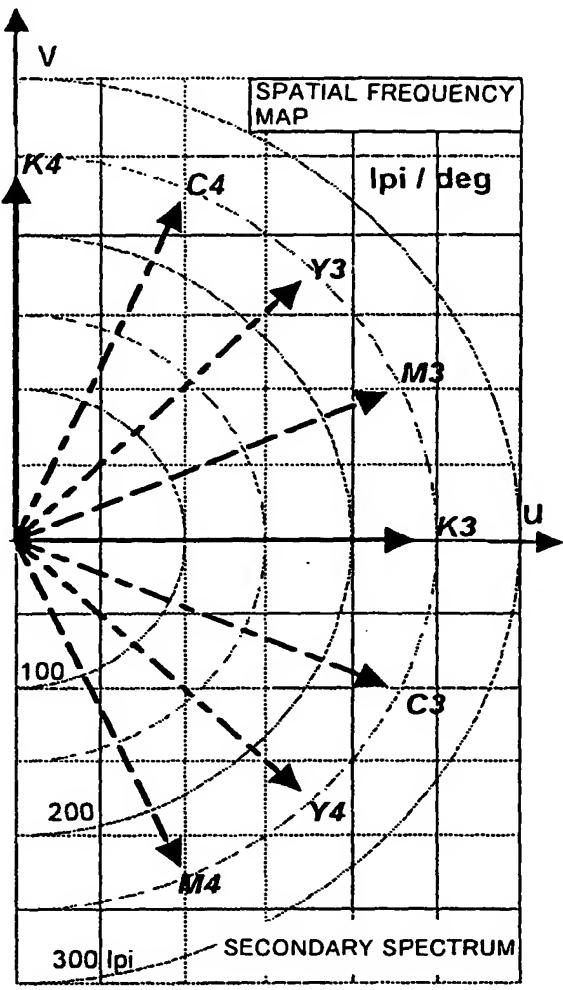
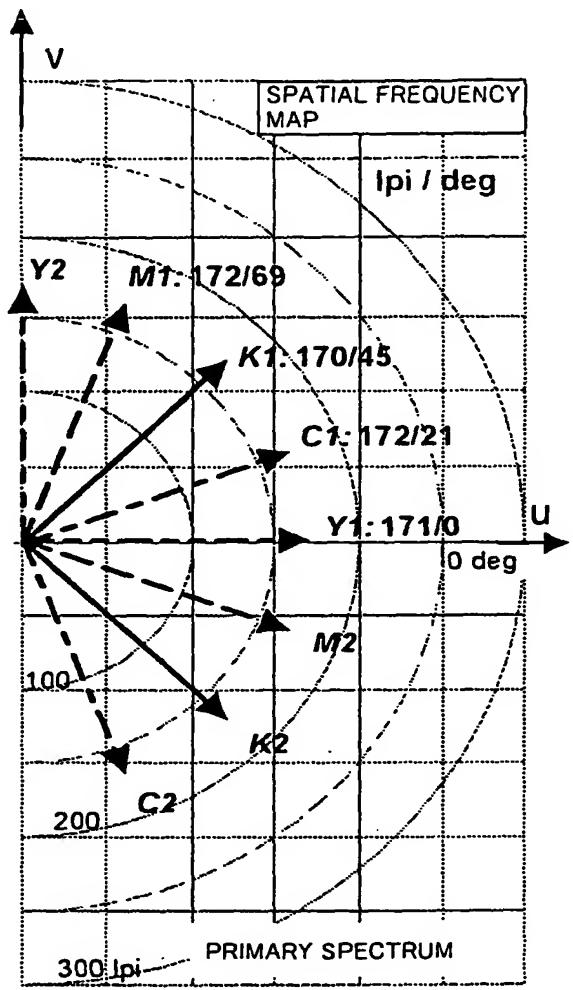
PRIOR ART
FIG. 4



PRIOR ART
FIG. 5



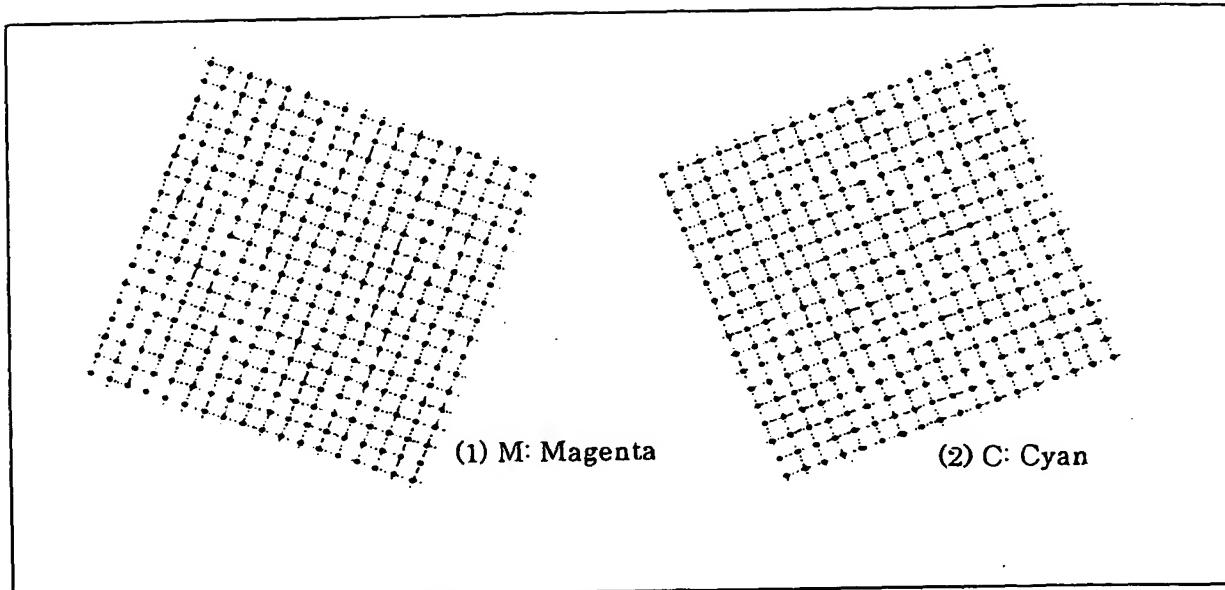
PRIOR ART
FIG. 6



TYPICAL FREQUENCY OF MOIRÉ
BETWEEN TWO COLORS
 $Y_1 - C_1, Y_1 - M_2$ 63 lpi
 $M_1 - K_1, C_1 - K_1$ 71 lpi
 $Y_1 - K_3$ 69 lpi

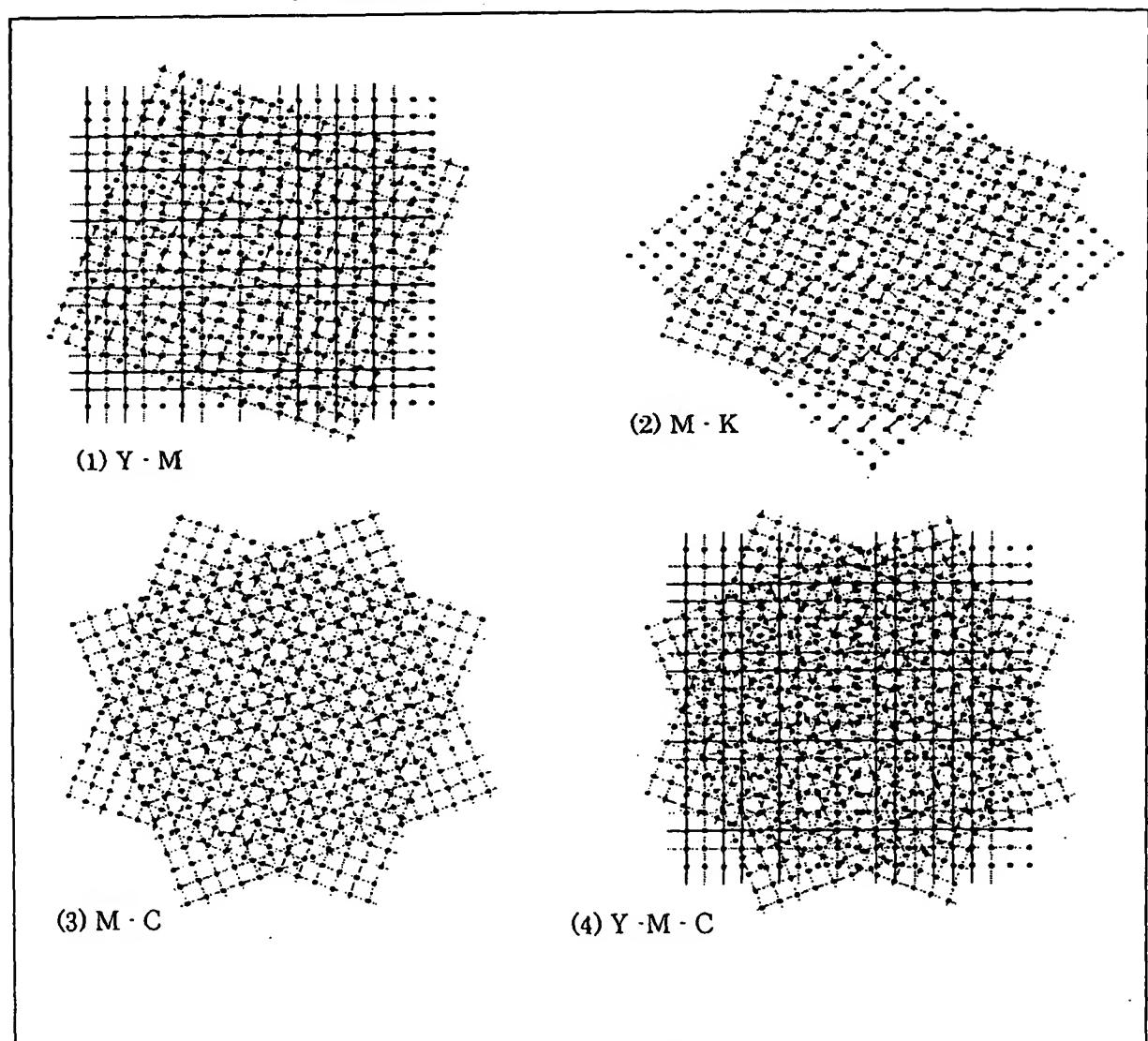
$K_3 = K_1 + K_2, K_4 = K_1 - K_2$
 $Y_3 = Y_1 + Y_2, Y_4 = Y_1 - Y_2$
 $M_3 = M_1 + M_2, M_4 = -M_1 + M_2$
 $C_3 = C_1 + C_2, C_4 = C_1 - C_2$

PRIOR ART
FIG. 7



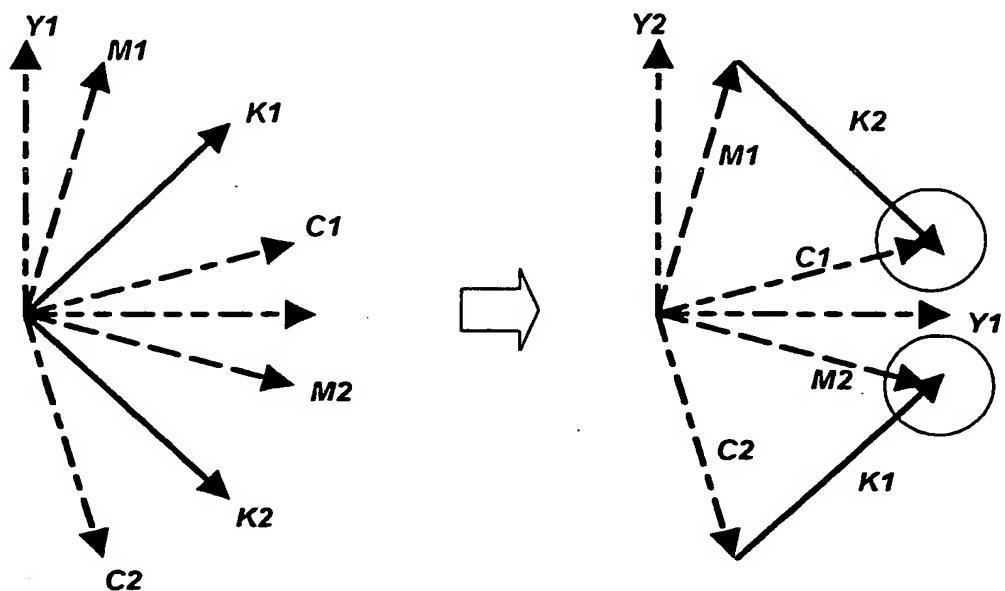
PRIOR ART

FIG. 8A

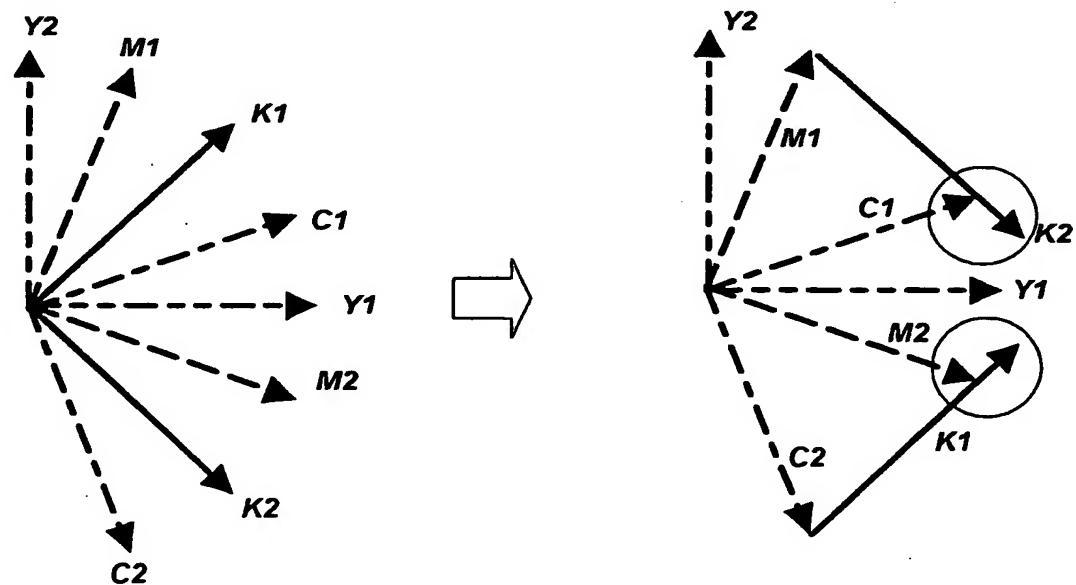


PRIOR ART

FIG. 8B

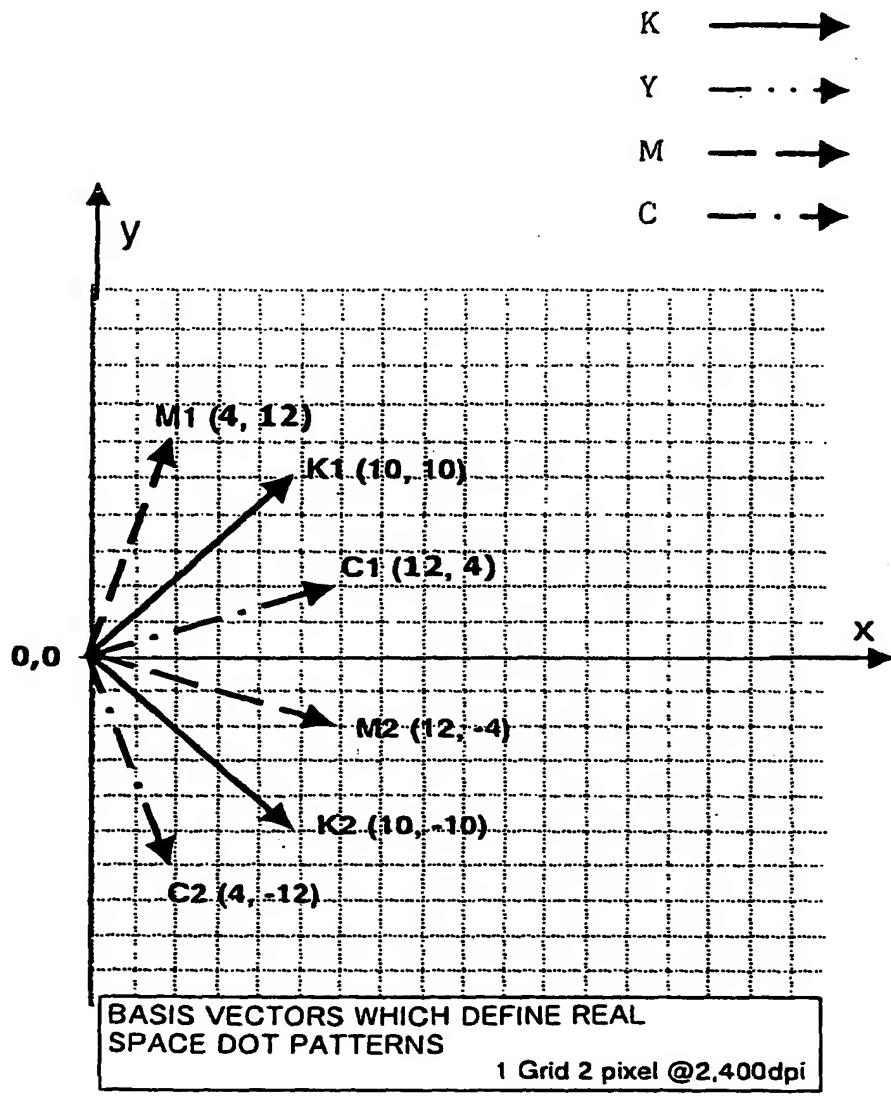


(a) 165 lpi PREFERENTIALLY M, C, K ARRANGED PATTERNS
(CORRESPONDING TO FIG. 2)

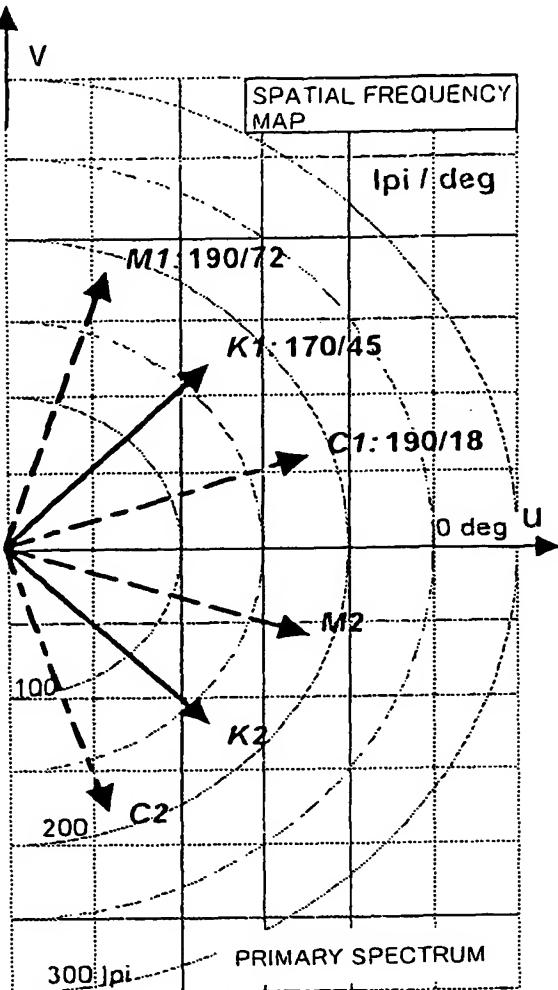


(b) 170 lpi EVENLY ARRANGED 4-COLOR PATTERNS
(CORRESPONDING TO FIG. 6)

PRIOR ART
FIG. 9



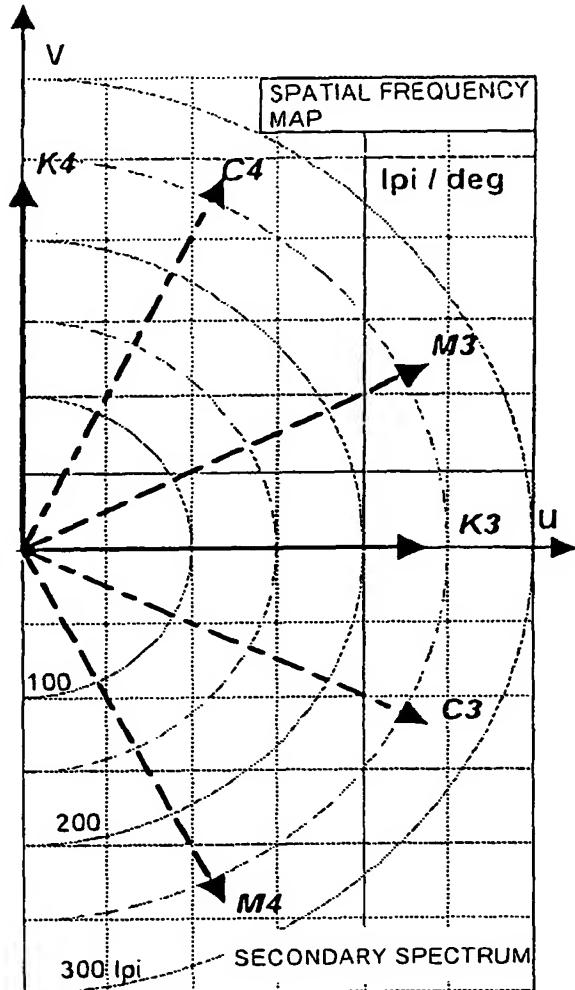
PRIOR ART
FIG. 10



TYPICAL FREQUENCY OF MOIRÉ
BETWEEN TWO COLORS

$$M1 - K1, C1 - K1, C1 - M2 \quad 85 \text{ lpi}$$

85 lpi FOR EVERY SET
OF TWO COLORS

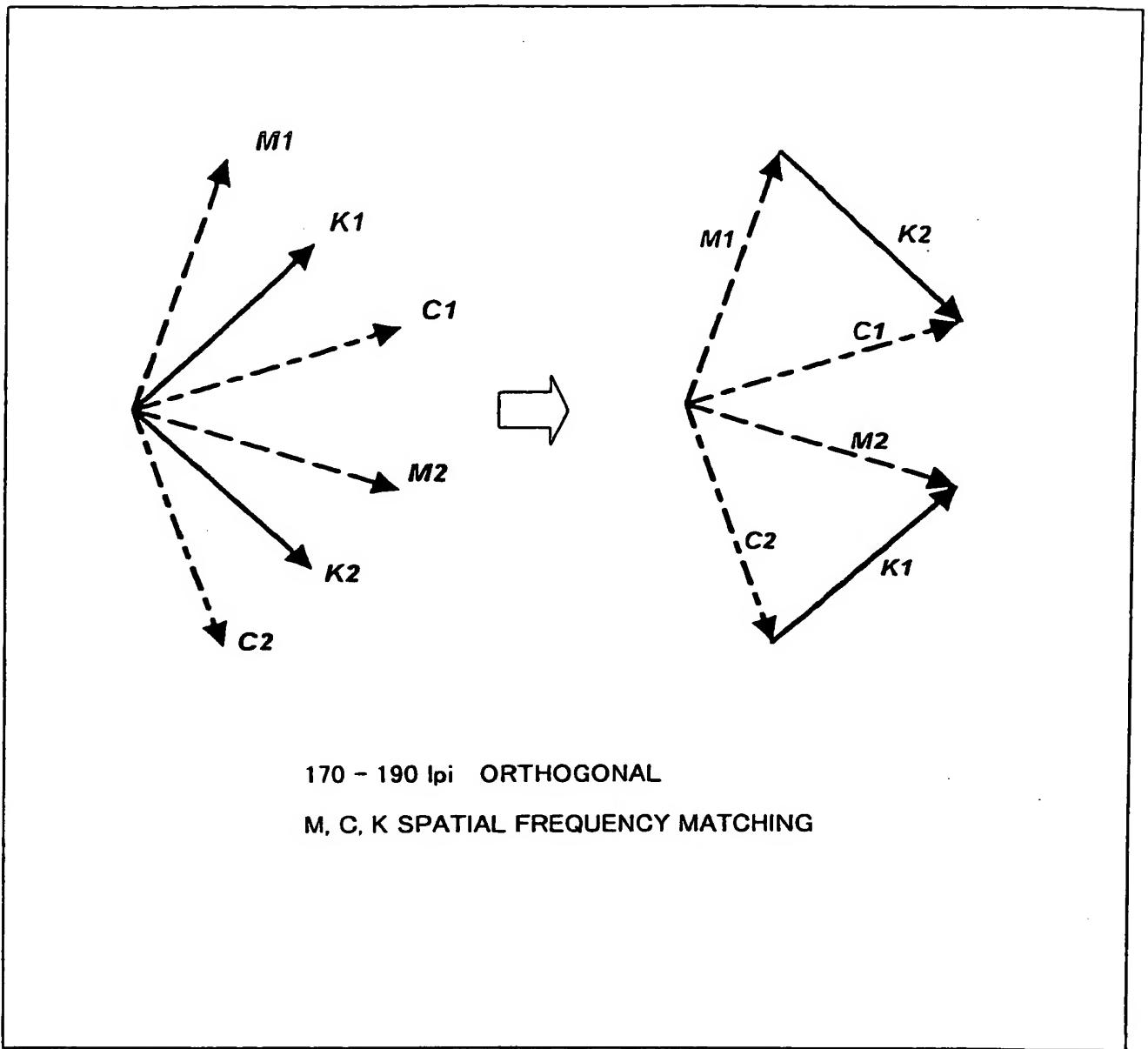


$$K3 = K1 + K2, \quad K4 = K1 - K2$$

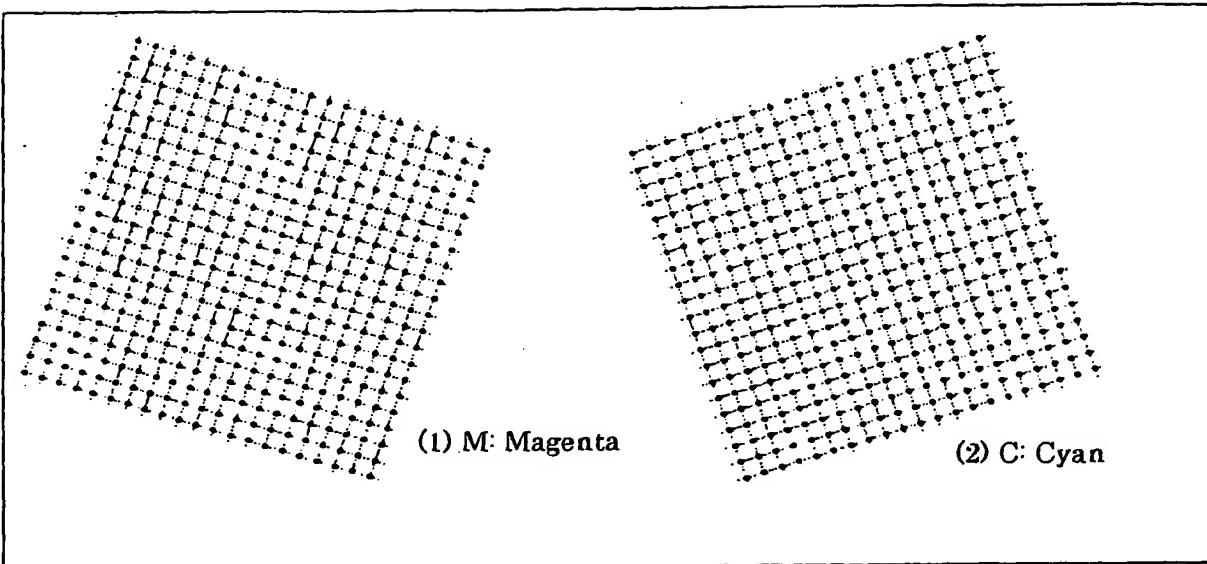
$$M3 = M1 + M2, \quad M4 = -M1 + M2$$

$$C3 = C1 + C2, \quad C4 = C1 - C2$$

PRIOR ART
FIG. 11

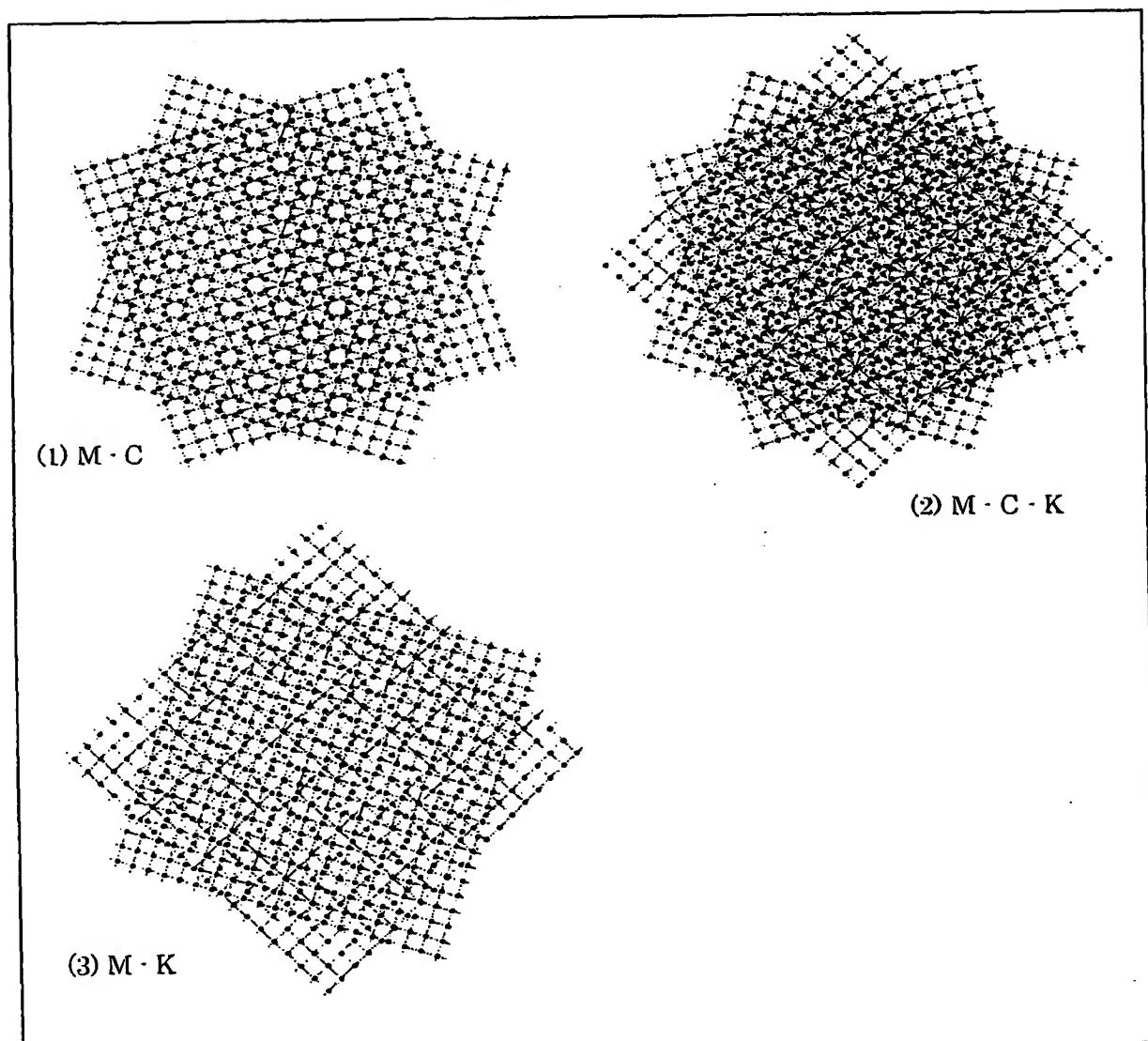


PRIOR ART
FIG. 12



PRIOR ART

FIG. 13A



PRIOR ART

FIG. 13B

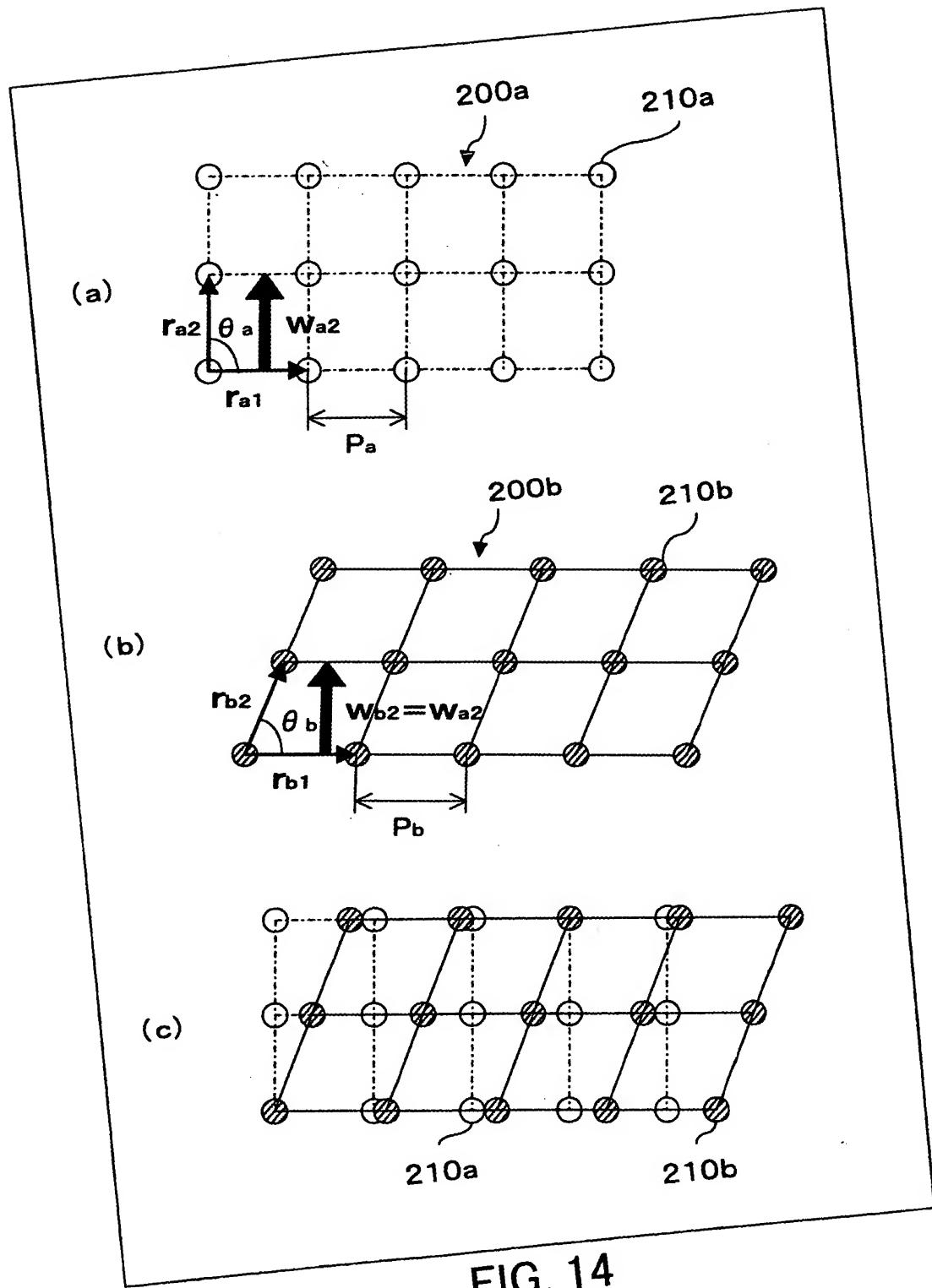


FIG. 14

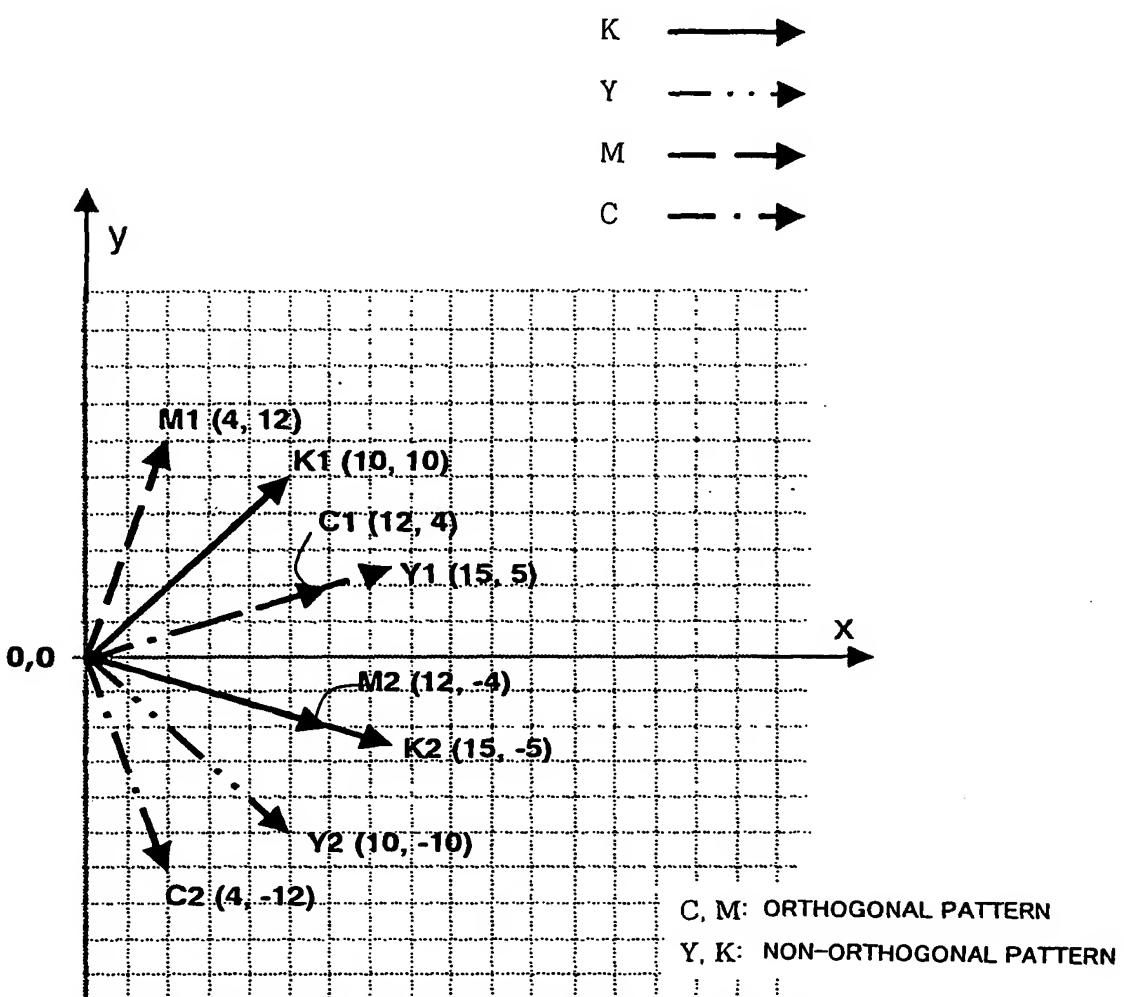
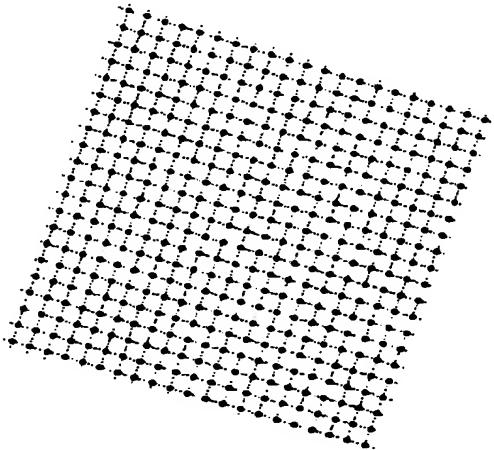
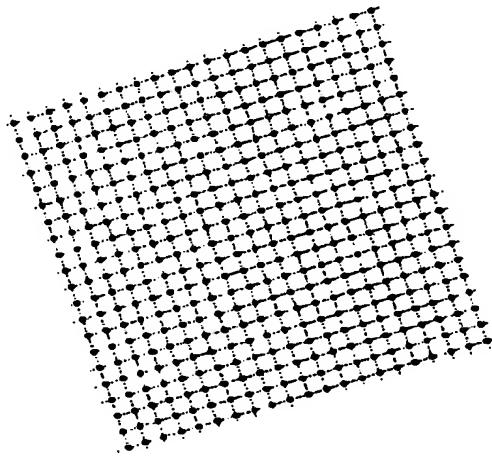


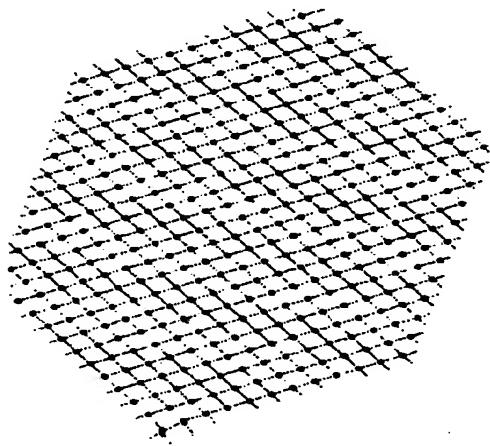
FIG. 15



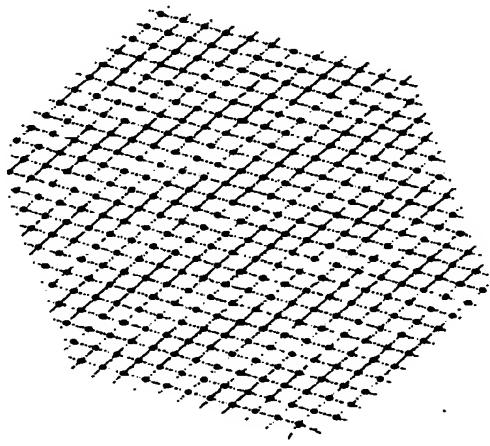
(1) M: Magenta



(2) C: Cyan



(3) Y: Yellow



(4) K: Black

FIG. 16

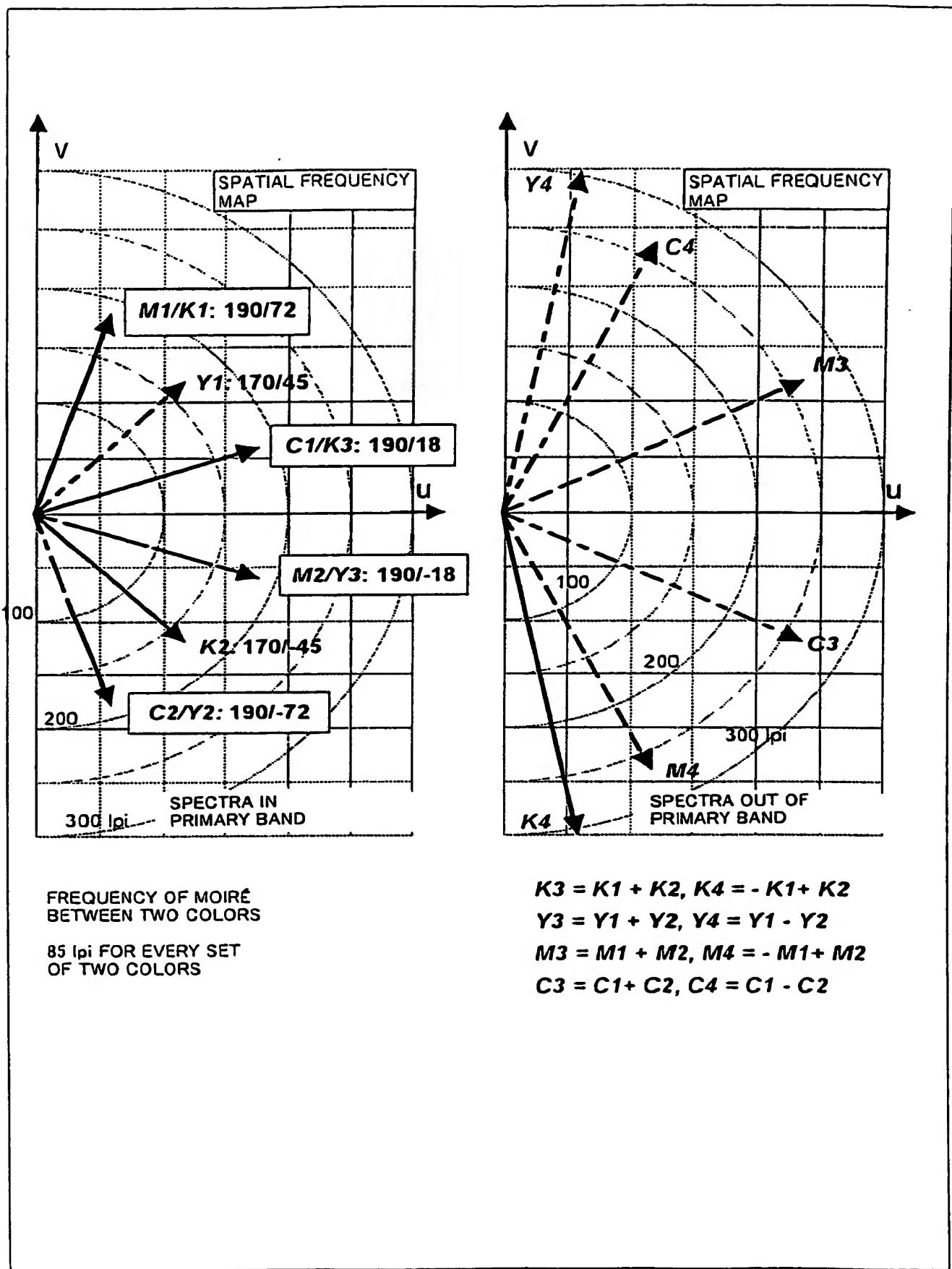


FIG. 17

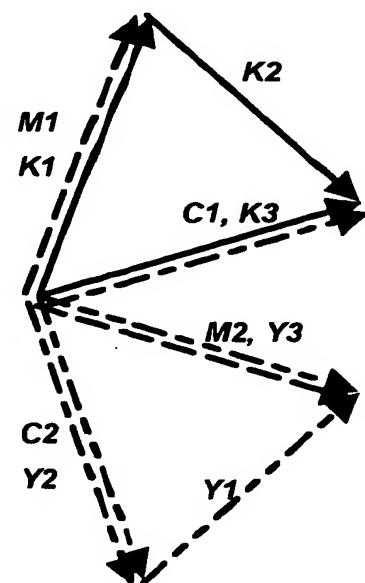
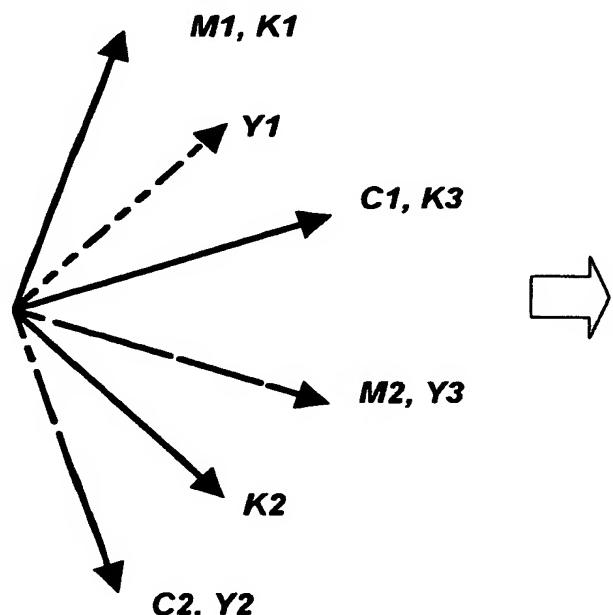
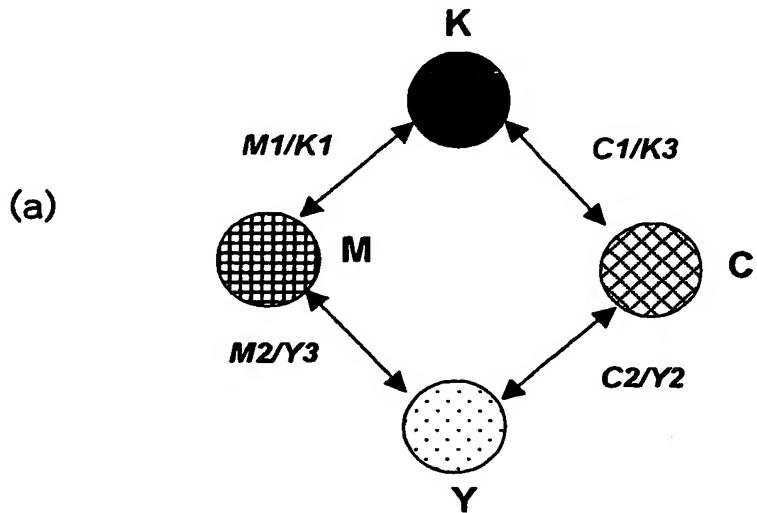


FIG. 18

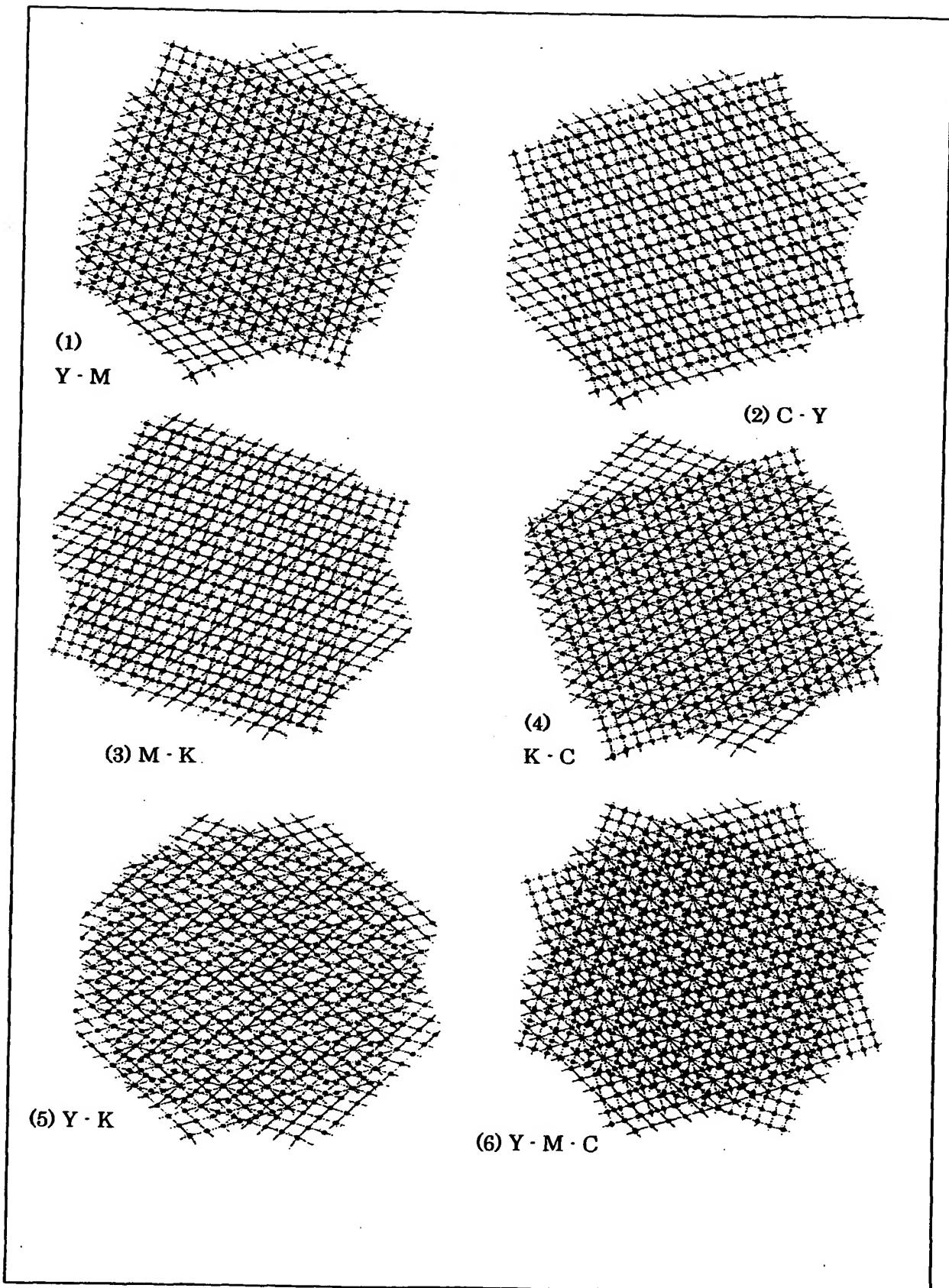


FIG. 19

FIG. 20A

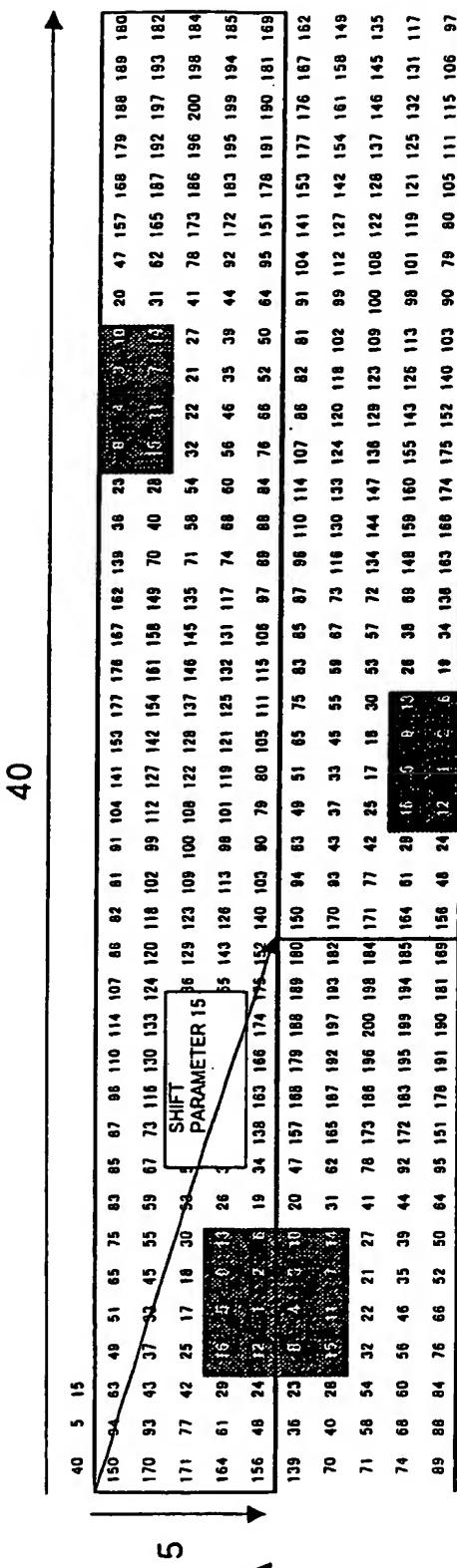
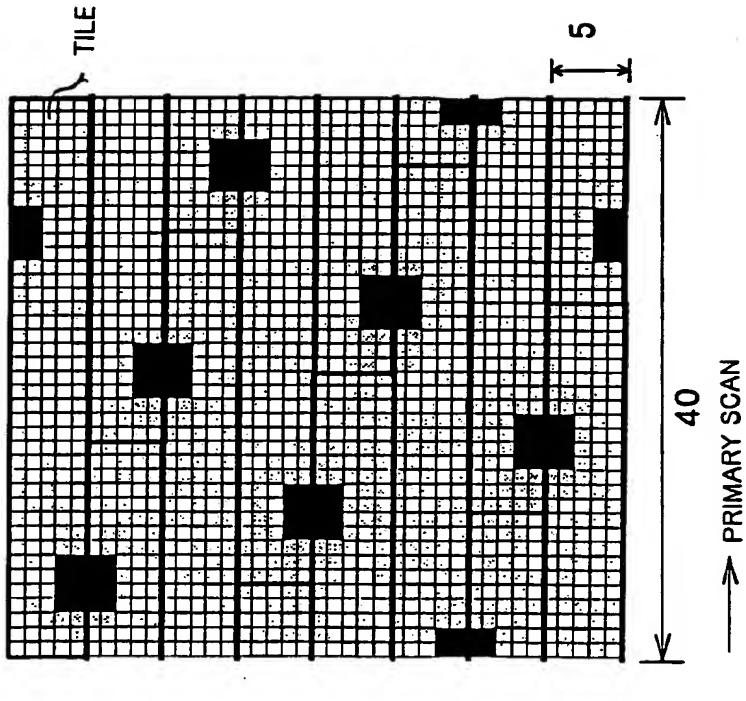


FIG. 20B



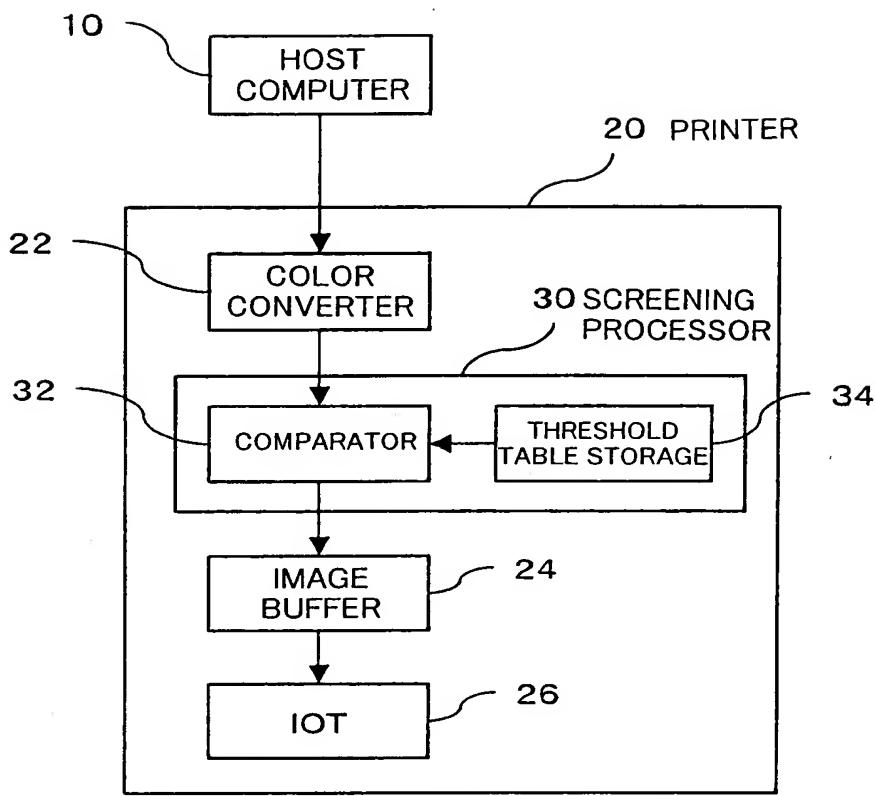


FIG. 21

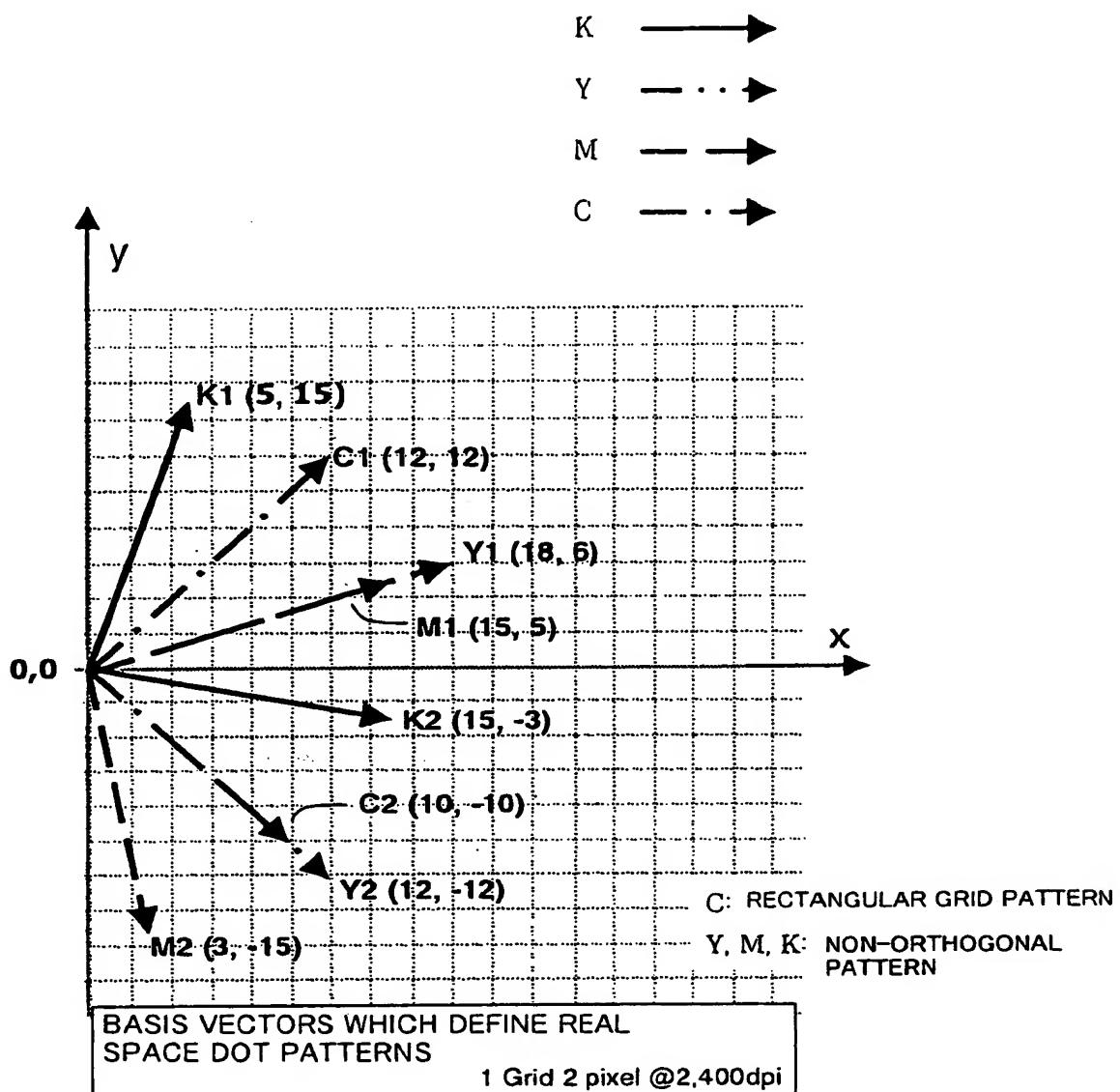
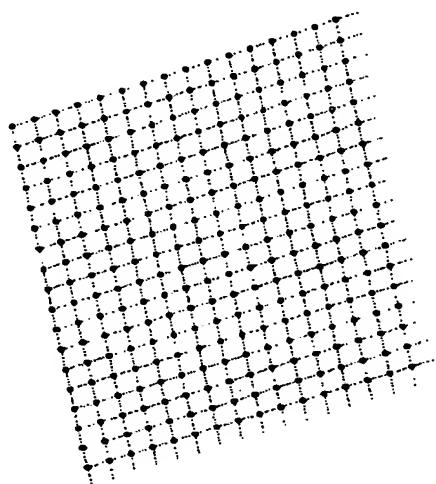
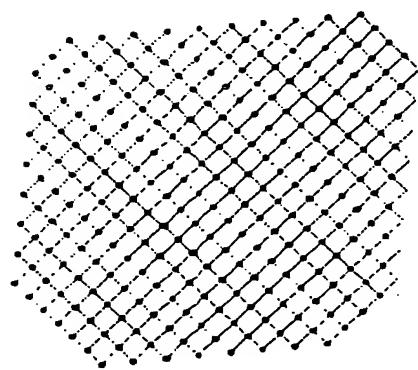


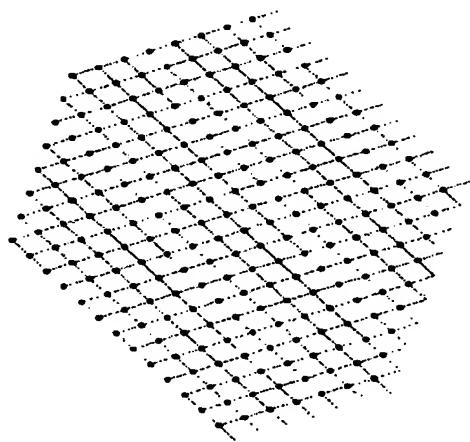
FIG. 22



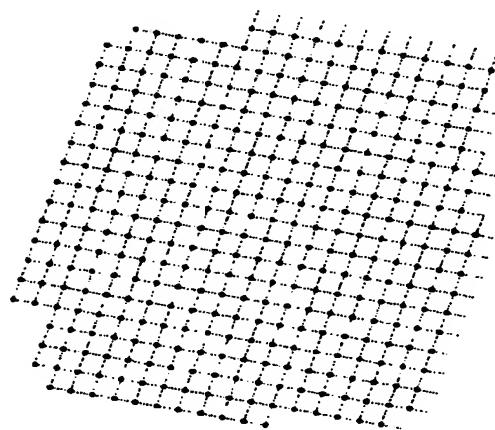
(1) M: Magenta



(2) C: Cyan

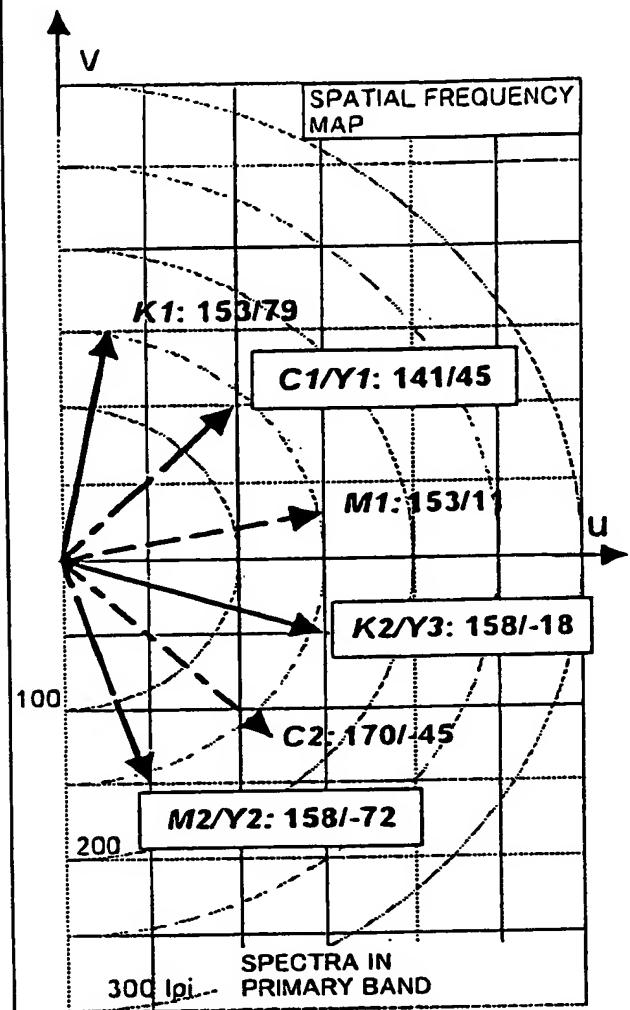


(3) Y: Yellow



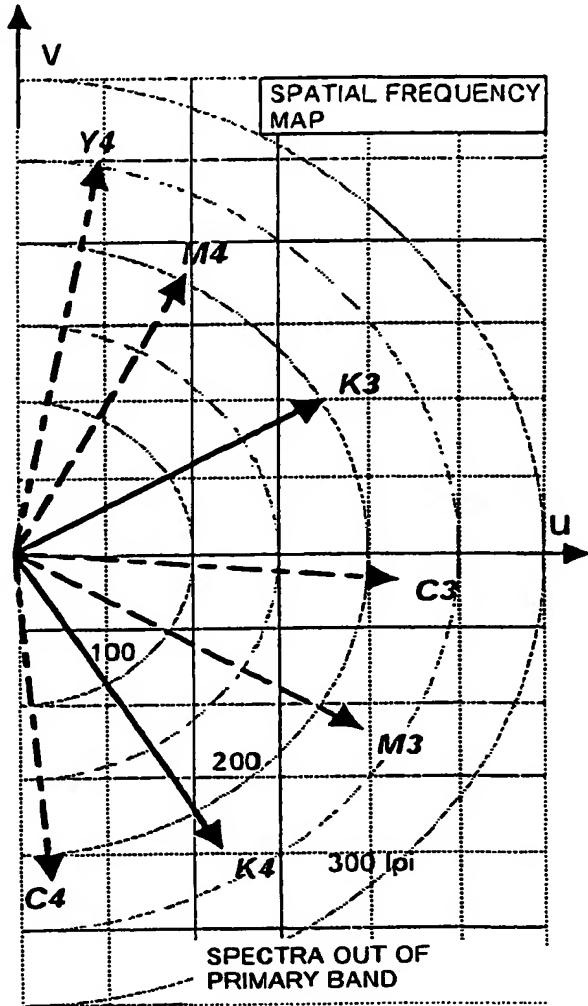
(4) K: Black

FIG. 23



TYPICAL FREQUENCY OF MOIRÉ
BETWEEN TWO COLORS

$C_1/Y_1 - M_4$	80 lpi
$C_1/Y_1 - K_1$	86 lpi
$K_1 - M_4$	76 lpi
$K_2/Y_3 - C_3, K_2/Y_3 - C_2$	76 lpi



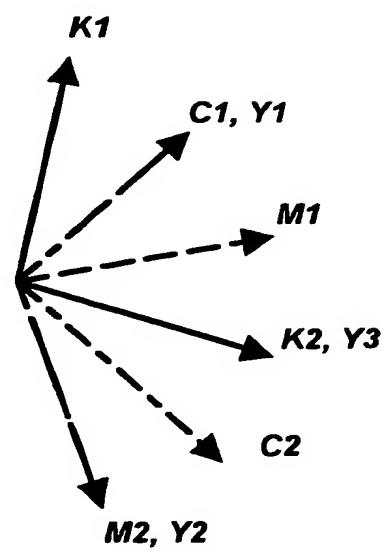
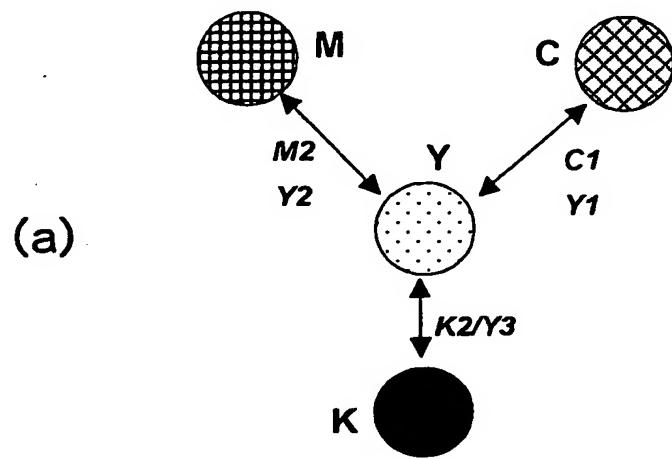
$$K_3 = K_1 + K_2, K_4 = -K_1 + K_2$$

$$Y_3 = Y_1 + Y_2, Y_4 = Y_1 - Y_2$$

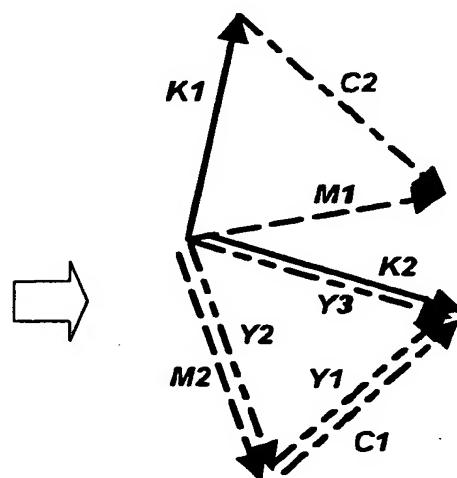
$$M_3 = M_1 + M_2, M_4 = M_1 - M_2$$

$$C_3 = C_1 + C_2, C_4 = -C_1 + C_2$$

FIG. 24



(b)



(c)

FIG. 25

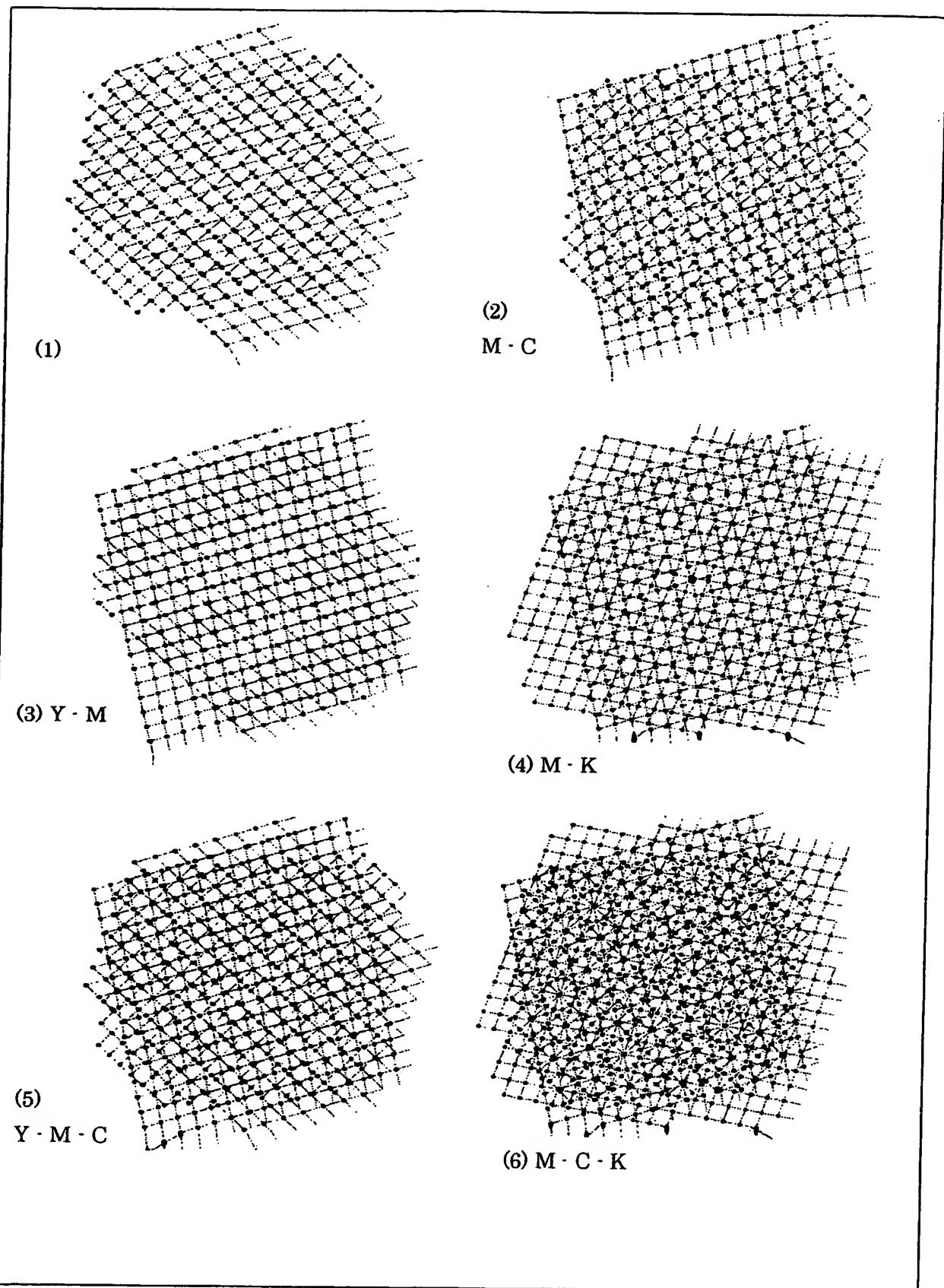


FIG. 26

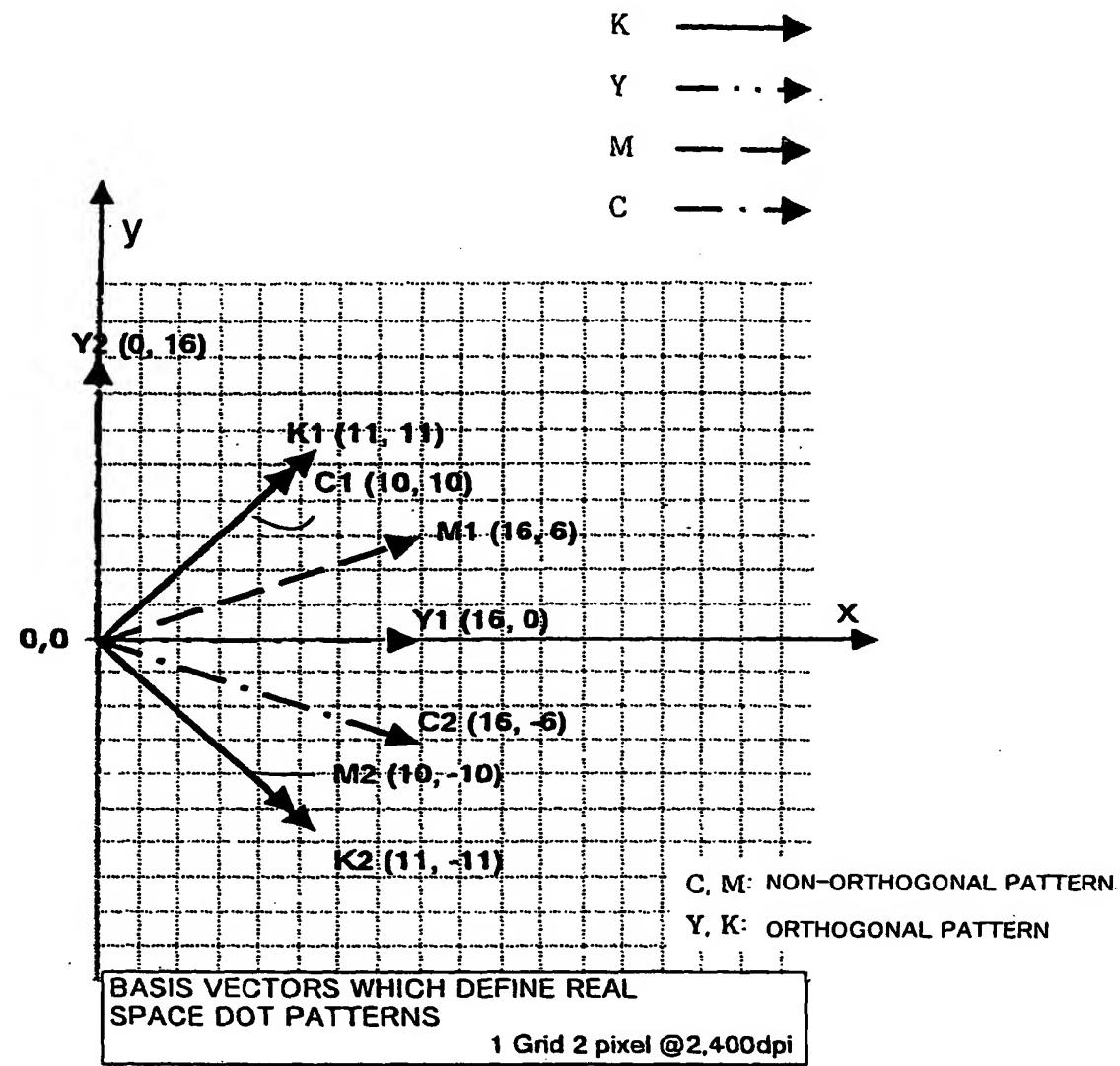
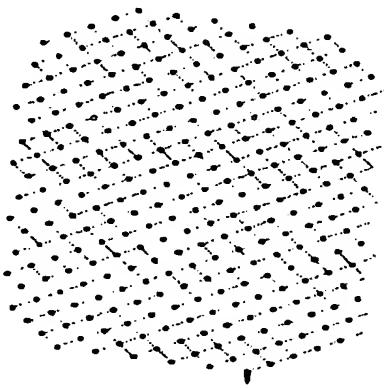
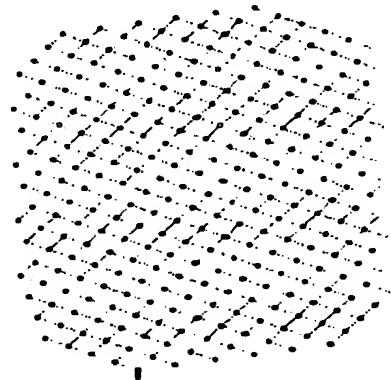


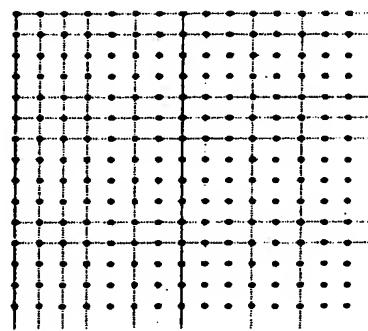
FIG. 27



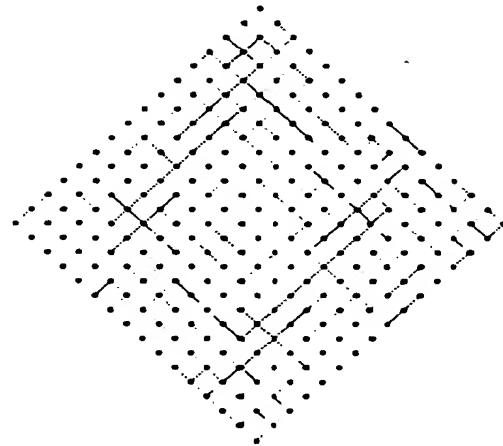
(1) M: Magenta



(2) C: Cyan



(3) Y: Yellow



(4) K: Black

FIG. 28

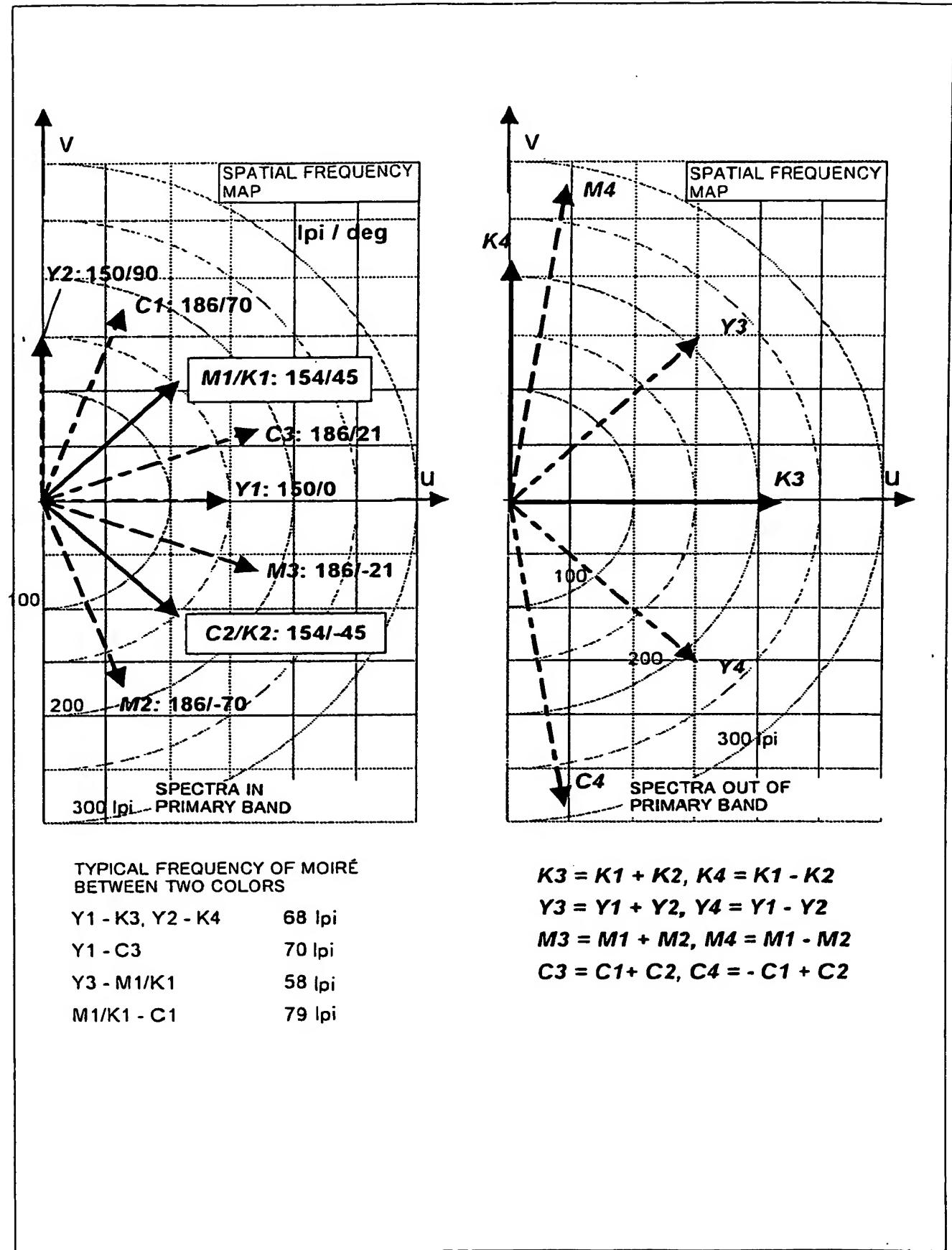


FIG. 29

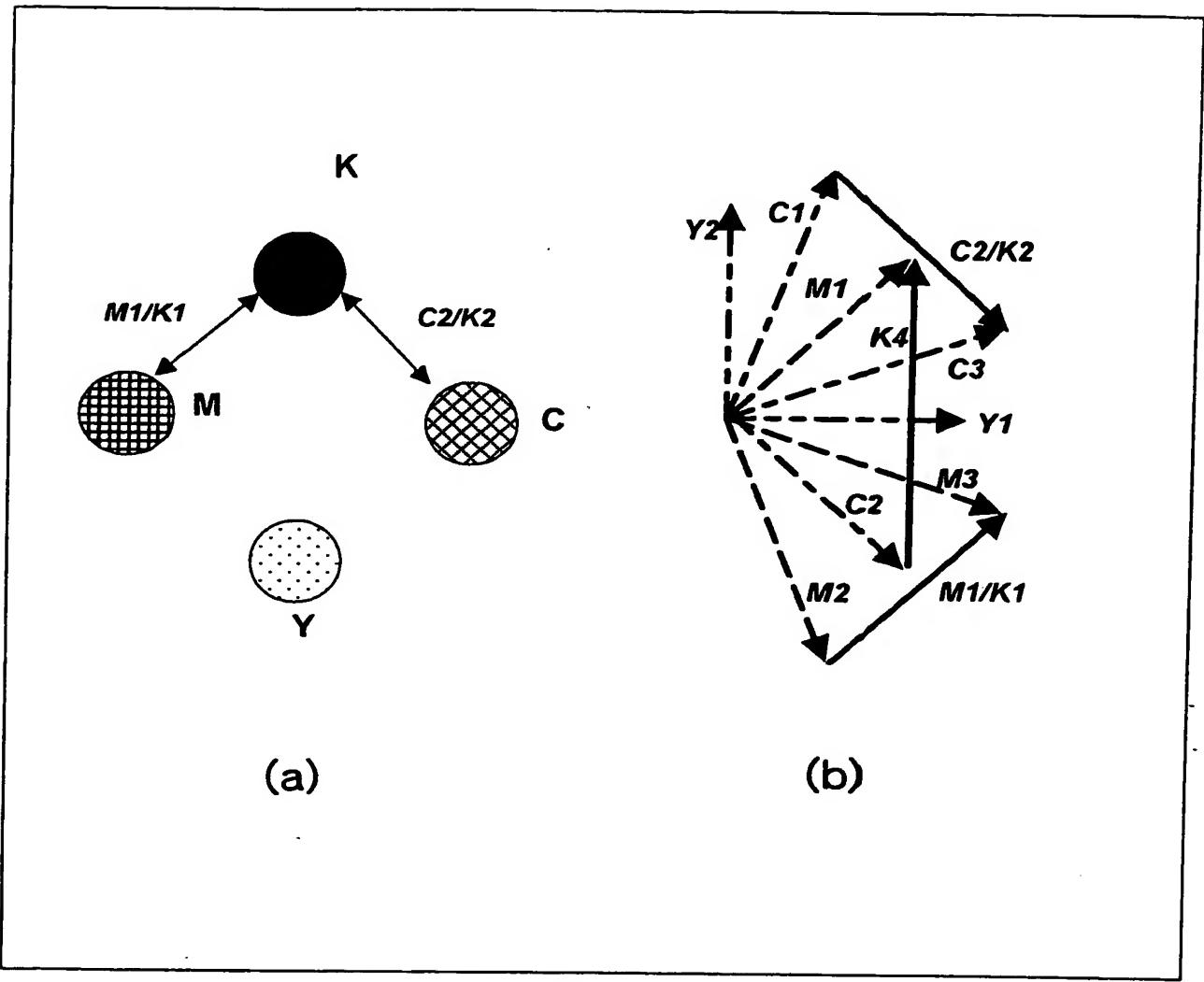
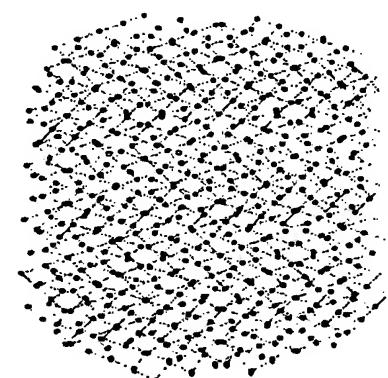
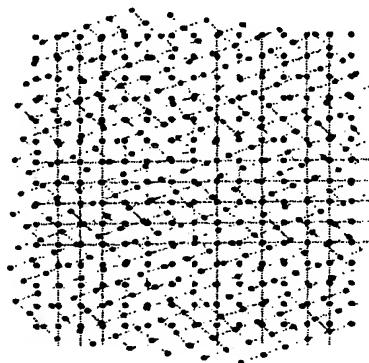


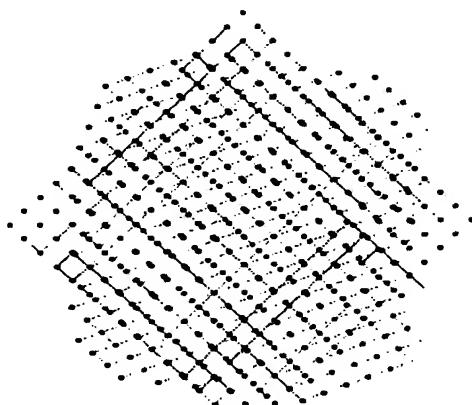
FIG. 30



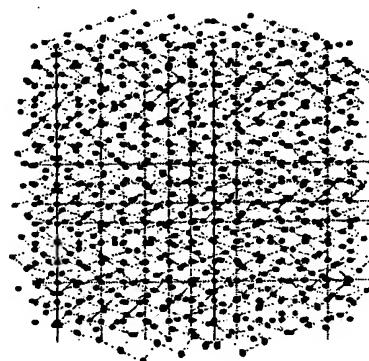
(1) M - C



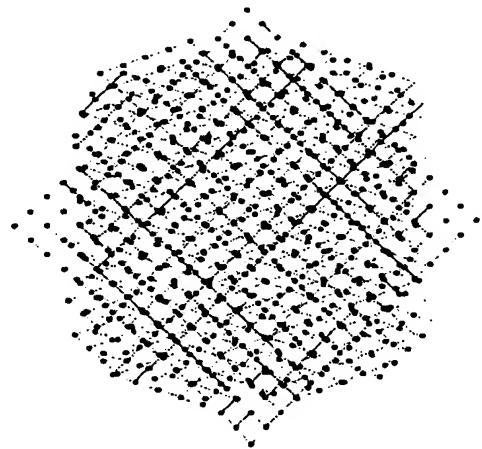
(2) M - Y



(3) M - K

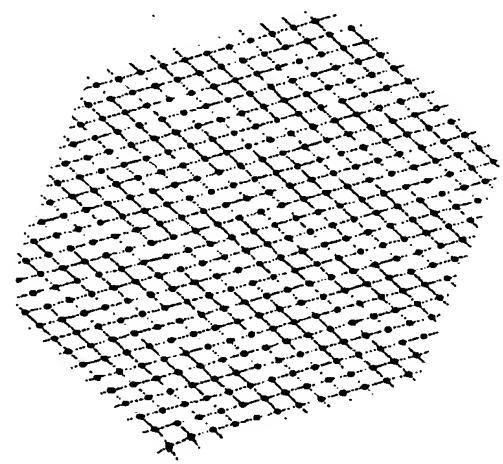


(4) Y - M - C

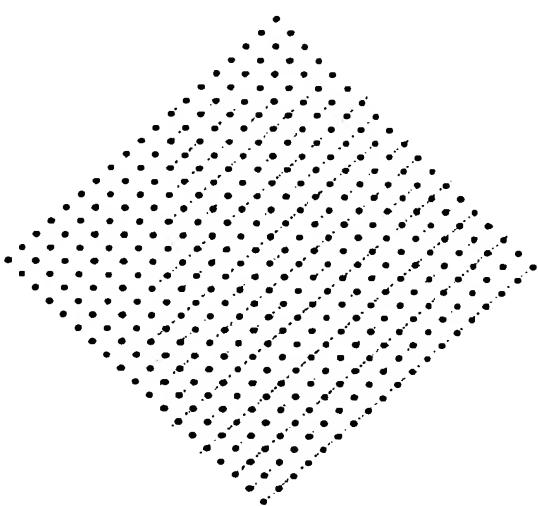


(5) M - C - K

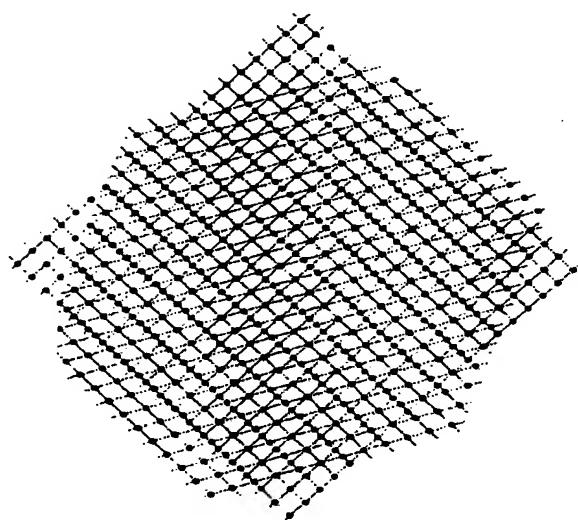
FIG. 31



(1) Y



(2) K



(3) Y-K

FIG. 32